SynovaTM product catalog.



SIEMENS

FC10

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The information in this document contains general descriptions of technical options available, which do not always have to be present in individual cases. The required features should therefore be specified in each individual case at the time of closing the contract.

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SynovaTM product catalog

Building Technologies

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Fire protection products and accessories.

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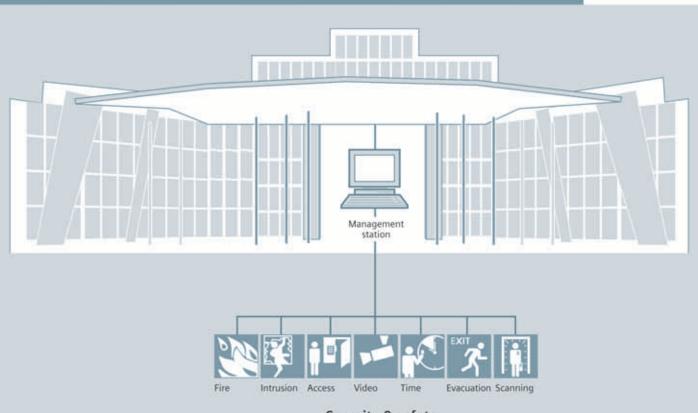
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Everything you need for fire safety and security.

From fire protection and fire detection to safety – Siemens offers a comprehensive portfolio for security needs from one source.



Security & safety



Whatever your requirements, Siemens provides a comprehensive portfolio for all fire safety and security needs.

Synova Installation Guidelines	
System Compatibility Chart	
Synova Installation Guidelines	I-6
Conventional Control Panels	
Conventional System Overview	
1-zone Panels	1-2
Genesis Series	
Conventional Fire Control Panels	
2-zone Panels	
FC10 Series	
Accessories FC1002	
4-zone Panels	
FC10 Series	
Accessories FC1004	
8-zone Panels	
FC10 Series	
Expansion FC1008	
Accessories FC1008	
12-zone Panels	
FC10 Series	
Expansion FC1012	
Accessories FC1012	
Conventional Extinguishing Control Panels	
Connectible to Fire Detection Systems	
Conventional Extinguishing System Overview	
XC10 Series	
Expansion XC10	
Accessories XC10	
Conventional Line SynoLINE300	
Product Overview	
Conventional Detectors	
Detectors Synova 300 Series	
Manual Call Points	
Manual Call Point MT320C	
Alarm Indicators	
Al Series for SynoLINE300	
Collective Line SynoLINE600	
Collective Detectors	5-1
Detectors AlgoRex Series	
Manual Call Points	
Manual Call Point DM1101	
Manual Call Point DM1103	5-8
Alarm Indicators	5-12
AI Series for SynoLINE600	5-12
Auto-addressing Fire Control Panels	6-1
System Overview	6-1
1-loop Panels	
FC330A-ECO Expansion Overview	6-3
FC330A-ECO Fire Control Panels	6-4
Options FC330A-ECO	
Expansion FC330A-ECO	
Accessories FC330A-ECO	
Modular Panels	
FC330A Expansion Overview	

FC330A Control Panels	
Options FC330A	
Options FC330A-2 & -2-CH & -5	6-16
Expansion FC330A	6-17
Accessories FC330A	6-20
Networkable Fire Control Panels	7-1
System Overview	7-1
Networkable Panels	7-4
FC700A Expansion Overview	7-4
FC700A Fire Control Panel	7-5
Options FC700A	7-6
Expansion FC700A	7-7
Accessories FC700A	
FT700A Expansion Overview	
FT700A Operating Terminal to FC700A	
Options FT700A	
Expansion FT700A	
Accessories FT700A	
LON-bus	
LON-bus Product Overview	
Synova LON-bus Expansion	
Auto-addressable SynoLOOP Bus Elements	
Automatic Detectors	
Product Overview	
Detectors Synova 300 Series	
Detectors Synova 600 Series	
Manual Call Points	
Manual Call Point DM1131	
Manual Call Point DM1133A	
Alarm Indicators	
Al Series	
I/O-Modules	
Input Modules	
Output Module	
Input/Output Modules	
Special Equipment	
Duct Air Sampling Detection Systems	
ASD-Duct	
Infrared Flame Detectors	
Linear Smoke Detector	
Explosion-Hazard Area Products	
Ex-Product Overview	
Ex-Detectors	
Ex-Infrared Flame Detector	
Manual Call Point	
Ex-Alarm Indicators	
Ex-Barriers and Couplers	
Ex-Alarm Device	
Printer	
9-36V Printer	
Test Equipment	
Line Tester	
Detector Tester	
Detector Tester for Special Detectors	
שכונכנוטו ובזובו וטו שבכומו שבובנוטוג	10-29

Alarm Equipment 1	11-1
Sounders 1	11-1
Optical Signaling Equipment1	11-3
Batteries 1	12-1
Spare Parts 1	13-1
Spare Parts FC10 1	13-1
Spare Parts XC10 1	13-4
Spare Parts FC330A 1	
Migrations FC330A 1	13-8
Spare Parts FC700A 1	13-9
Spare Parts MT320C, DM1101, DM113113	3-10
Spare Parts ASD-Duct	3-11
Spare Parts Printer, Alarm Indicators, Halogen Lamp13	
Spare Parts Test Equipment13	3-14
Type Index	. II-1
Order No. Index	111-1



Patented and reliable.

The smart Synova[™] fire detectors from Siemens.



Backed by Siemens' more than 150 years of experience in fire detection, Synova[™] is both extremely sensitive and reliable. Thermo sensors react to slow and fast temperature changes and are immune to deception. Optical smoke detectors incorporate a patented chamber design for a wide response range and an exceptional immunity to dust and dirt. This is what we understand by an innovative solution ensuring protection against the dangers of fire – whatever the area of application may be. For more information, please visit www.siemens.com/synova



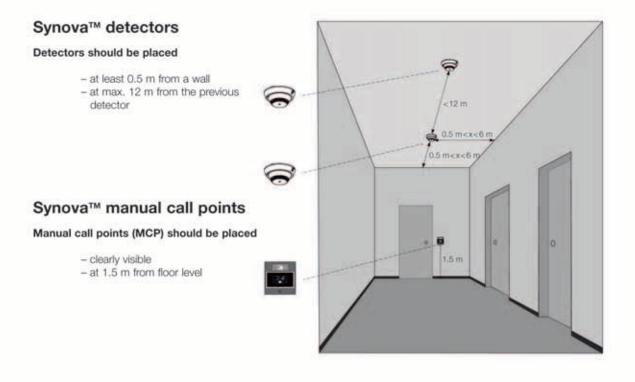
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Installation

With this section we would like to share best practice on installation for fire detection equipment. The hints given may not cover all possible cases, but give guidelines for the installation. Local regulations may be more detailed. Please contact your local Fire Safety & Security Products sales organization from Siemens for more detailed information and documentation.



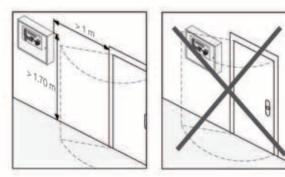
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I-1

Synova[™] fire control panels

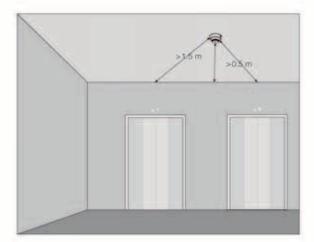
Mounting the fire control panel:

Keep a minimum distance to objects which might cover the panel or the view to it.



Synova Installation Guidelines

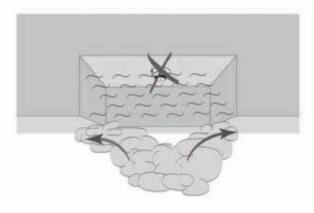
Detector positioning near lifts.

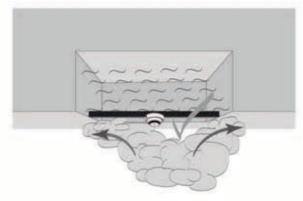


Detector positioning near fresh air supply.



Use a support to install a detector at ceiling height.





Synova Installation Guidelines

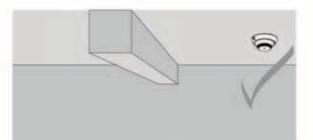


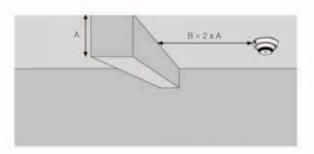
Place the detector at the highest point in the room.

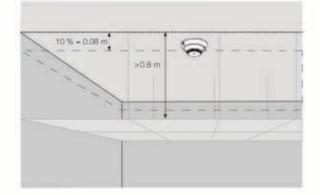
Keep the correct distance to ceiling obstacles.

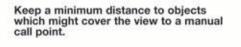
Position the detector in the top 10 % of the height of a void.











Manual call points should not be obscured by an open door.



System Compatibility Chart

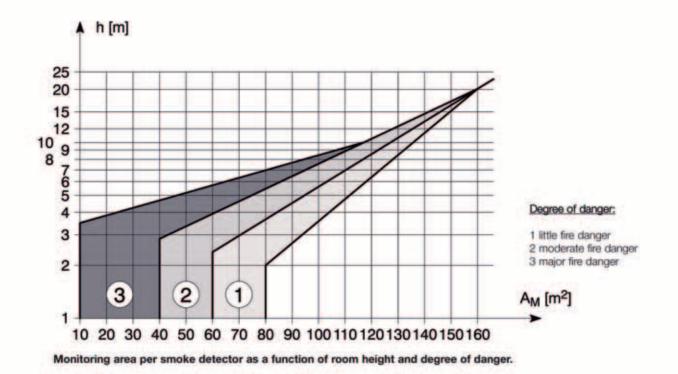
Conventional banels Genesis 1-zone parel FC10 g2-12 zones) XC10	~ ~	cal dete		~		Heat de		Cities (Mam	al call p		A	o a	ctors
Genesis 1-zone parvet FC10 (2-12 zones)	*		CO.IOS			200 M	OTTON OT	CTT TO	and the second	OWNER	Duringa Buringa	OFTIOLO	010	4
Genesis 1-zone parvet FC10 (2-12 zones)	~	1		~										
FC10 (2-12 zones)	~	~		~						_		-		
(2-12 zones)		~			~	1			~			~	~	
VCIO	3		1	~	~	1	~	~	~	~	~	~	~	(~)
ACIO	~	~	~	~	~	1	~	~	~	1	~	1	~	(~)
Auto-addressing panels														
FC330A-ECO1 ((~)	()	(*)	(*)	(*)	(~)	(~)	(*)	()	(~)	(~)	()	(~)	()
FC330A modular panel (2-loop)	(~)	(~)	(*)	()	(*)	()	(*)	()	(*)	()	(~)	(~)	(*)	()
K3M010 extension card (4-zone)	~	~	~	~	1	1	~	~	~	1	1	1	~	()
K3M020 extension card (12-zonii)	~	1	~	1	1	1	1	1	~	1	1	1	~	()
K3M030	(~)	(~)	(*)	(~)	(*)	(~)	(*)	(*)	(*)	(~)	(*)	(*)	(*)	(~)
Networkable banels														
FC700A	(~)	(~)	(~)	()	(~)	(~)	(~)	(~)	(~)	(~)	(~)	(~)	(~)	(~)
E3M111 Ine module	(~)	(~)	(*)	(~)	()	(~)	(~)	(~)	(~)	(~)	(*)	(~)	(~)	(~)
E3M080 ine module collective		1	~				~	~	~	~	~	1	~	~
SynoLOOP line modules														
CB320A	~			~	~	~			~			~	~	
DC1192A riput/ostput module		1	1				~	1		~	~	1	~	~



	50114062		100000	and the second se	dressa				Manu	al call	Special
Optic	al detec	tors	Multi de	etectors		Heat de	tectors		poi	nts	Special detectors
Op. Sp.	and a second	BOTTO		None of the second	-	200	Contraction of the second		OMILE	Ounias	OFTIOL S
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~	~	~	*	~	~	1	1	1	~	~	~
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Monitoring area per smoke detector

The monitoring area (A_M) is determined as a function of room height and the fire danger.



Degree of danger level 2 can be chosen for most applications.

Degree of danger level 1 should only be chosen:

- If all danger to life can be excluded.
- If no valuable or irreplaceable articles are stored in the room concerned.
- If the fire risk is low.
- If other fire protection measures would virtually preclude fire spread.
- If no smoking logging can occur in adjacent areas, particularly when corrosive fission products are involved.

Degree of danger level 3 is recommended:

- If there is serious danger to life.

- If valuable and/or irreplaceable articles are stored in the room concerned.
- If the loss of goods or installations would threaten the continuity of the business concerned.
 If the risk is classified as "high".

Genesis Series (1-zone Panels)



Safety for people and assets.

Our Genesis Series stands for comprehensive safety. In combination with an intrusion control panel, it is the professional solution for reliable fire detection. As your existing network infrastructure can be used for installation, you will profit from low investment costs.

Based on an intrusion detection control panel, Genesis 2 enables the installation of a single-zone fire detection system. It also controls and supervises a 2-wire line, equipped with up to 32 conventional detectors. Supplied with 12 VDC from the intrusion control panel, it is able to provide 24 VDC thanks to an internal converter. This is the power needed by detectors and/or call points.

- One conventional line with a maximum of 32 detectors
- Compatible with current detectors and manual call points SynoLINE300, as well as non-current detectors DLO1191, linear smoke detectors, and DF1191 flame detectors
- Universal usage thanks to easy connectivity to all 12 VDC systems
- Reliable alarming via existing network
- Easy installation due to free contacts for fire and fault alarm

Conventional Control Panels 1-zone Panels Genesis Series

Туре		Order No.
GEN2	Fire control panel for connection to 12 VDC supplyThe Genesis 2 makes it possible to install single zone fire detectionbased on a conventional intrusion detection control panel, controllingand supervising a 2-wire line, equipped with up to 32 conventionaldetectors at 24 VDC.The Genesis 2 is supplied with 13.8 VDC from the intrusion control paneland, by means of an internal converter, is able to provide the 24 VDCsupply required by the detectors and/or call points. This eliminates theneed for an external 24 VDC power supply and battery backup, as in thecase of mains failure or disconnection, the intrusion control panel back-up powers the system. Compatible with the current detectors, manualcall points SyncLINE300, and with the non-current detectors.Alarm relay output (NO/NC)30 VDC / 1 AFault relay output (NO/NC)30 VDC / 1 APower supply11 14 VDC / <200 mAOutput line voltage (stand-by)17.5 24 VDCStand-by current35 45 mADimensions (W x H x D)134 x 85 x 27 mmData sheet	GEN2
GEN2-en	Fire control panel for connection to 12 VDC supply As GEN2 for technical details, but with the following differences: English language printed on the product.	BPZ:9300110001
GEN2-de	Fire control panel for connection to 12 VDC supply As GEN2 for technical details, but with the following differences: German language printed on the product.	BPZ:9300150001
GEN2-pl	Fire control panel for connection to 12 VDC supply As GEN2 for technical details, but with the following differences: Polish language printed on the product.	BPZ:9300090001
GEN2-it	Fire control panel for connection to 12 VDC supply As GEN2 for technical details, but with the following differences: Italian language printed on the product.	BPZ:9300120001
GEN2-se	Fire control panel for connection to 12 VDC supply As GEN2 for technical details, but with the following differences: Swedish language printed on the product.	BPZ:9300130001
GEN2-fr	Fire control panel for connection to 12 VDC supply As GEN2 for technical details, but with the following differences: French language printed on the product.	BPZ:9300180001
GEN2-no	Fire control panel for connection to 12 VDC supply As GEN2 for technical details, but with the following differences: Norwegian language printed on the product.	BPZ:9300140001

Conventional Control Panels 1-zone Panels Genesis Series

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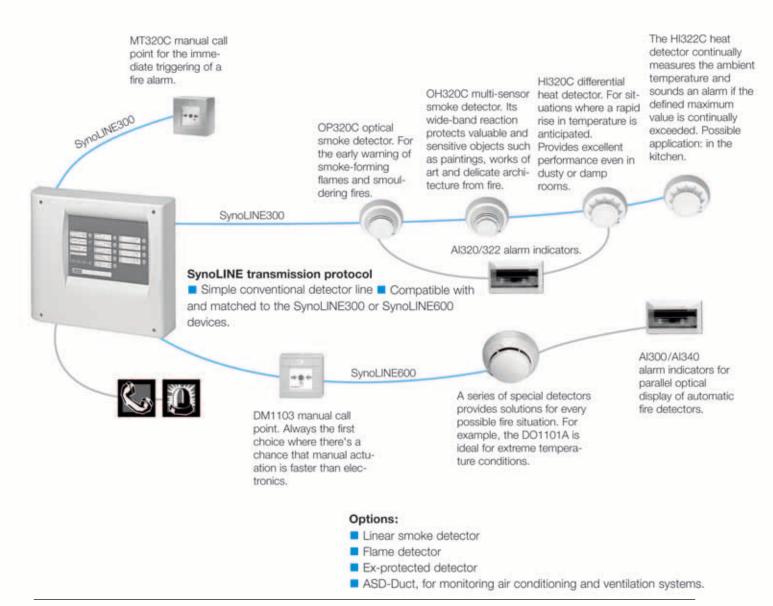
Туре		Order No.
GEN2-nl	Fire control panel for connection to 12 VDC supply As GEN2 for technical details, but with the following differences:	BPZ:9300190001
	Dutch language printed on the product.	
GEN2-es	Fire control panel for connection to 12 VDC supply	BPZ:9300100001
	As GEN2 for technical details, but with the following differences:	
	Spanish language printed on the product.	
MGEN2	Fire control panel PCB for all languages	BPZ:9300170001
	As GEN2 for technical specification but without housing.	

FC10 conventional fire control panel

2 - 24 zones for the connection of the conventional SynoLINE300 or collective SynoLINE600 lines
 Brigade Delay Concept (alarm verification)
 Non latch zones (e.g. for technical alarm)
 Remote "Acknowledge" and "Reset" functions
 Differentiation of alarm from "manual call point" and "automatic detector" alarm on the same line
 Password or key switch secured operation
 Keypad and LED displays for mains/battery monitoring, alarms, faults, remote transmission, isolation, signal confirmation, reset and evacuation
 More than 20 possibilities for customized programming
 No software tool is needed
 Emergency operation up to 72h.

Synova[™] detectors

Patented optical chamber Attractive, environmentally friendly design Blends comfortably into surrounding decor Superior resistance to contamination and electro-magnetic interference Screwless connection technology Uniform electronics-free base with matching accessories High stability against lightning Short-circuit-proof output for the connection of external alarm indicators.



Conventional Fire Control Panels 2-zone Panels FC10 Series

2-zone Panels FC10 Series			
Туре			Order No.
FC1002	2-zone conventional unit		FC1002
	for conventional fire detection processes for the cost-effective fire detection par Each line can be individually con SynoLINE600. This allows to con	ew standard in functionality and design panels. FC1002 is an easy-to-handle, nel that is ideal for small installations. nfigured to SynoLINE300 and nnect all Synova™ conventional detec- like DF1191 flame, DLO1191 linear	
	Conventional line	2	
	Transmission output contact	2 x 30 VDC / 1 A	
	Supervised output	2 x 24 VDC / 0.5 A	
	Control output	5 x 24 VDC / 40 mA	
	Control input	3	
	Mains voltage	115/230 VAC / 0.7 A +10 % -15 %, 50/60 Hz	
	Power consumption	13 25 VA	
	Quiescent current	80 mA	
	Battery capacity	2 x 12 V / 7.2 Ah	
	Standard	EN54, CE	
	Dimensions (W x H x D)	370 x 286 x 90 mm	
	Case protection category Color	IP30 white, RAL 9003	
	Data sheet	007994	
	Accessories	Z3B171 Relay module FCA1007 Key switch kit	
FC1002-A	2-zone conventional unit (Sta	A6E60500000	
	As FC1002		
FC1002-B	2-zone conventional unit (Hea	ad removal monitoring)	A6E60500001
	As FC1002 for technical detail	s, but with the following differences:	
	Special line monitoring for remo		
FC1002-C	2-zone conventional unit (Nor	rdic)	A6E60500002
	As FC1002 for technical detail		
	Operating access through Nord	-	

Conventional Fire Control Panels 2-zone Panels Accessories FC1002

Туре			Order No.
Z3B171	Relay module with 1 co	ontact	BPZ:4843830001
	The relay module is an a by the fire control panel	dditional fire event control module, activated 's control output.	
	Contact rating	250 VAC / 10 A	
	Delivery unit	10 pieces	
FCA1007	Key switch kit		A6E60500026
(Ba	To provide operating acc	cess via key switch instead of password.	



Conventional Fire Control Panels 4-zone Panels FC10 Series

Туре			Order No.
-C1004	4-zone conventional unit		FC1004
	for conventional fire detection p cost-effective fire detection pan Each line can be individually con SynoLINE600. This allows to cor	w standard in functionality and design banels. FC1004 is an easy-to-handle, el that is ideal for small installations. nfigured to SynoLINE300 and nect all Synova TM conventional detec- like DF1191 flame, DLO1191 linear	
	Conventional line	4	
	Transmission output contact	2 x 30 VDC / 1 A	
	Supervised output	2 x 24 VDC / 0.5 A	
	Control output	7 x 24 VDC / 40 mA	
	Control input	3	
	Mains voltage	115/230 VAC / 0.7 A +10 % -15 %, 50/60 Hz	
	Power consumption	13 25 VA	
	Quiescent current	90 mA	
	Battery capacity	2 x 12 V / 7.2 Ah	
	Standard	EN54, CE	
	Dimensions (W x H x D)	370 x 286 x 90 mm	
	Case protection category Color	IP30	
	Data sheet	white, RAL 9003 007994	
	Accessories	Z3B171 Relay module	
		FCA1007 Key switch kit	
C1004-A	4-zone conventional unit (Star	A6E60500003	
	As FC1004		
С1004-В	4-zone conventional unit (Hea	A6E60500004	
	As FC1004 for technical details		
	Special line monitoring for remo		
C1004-C	4-zone conventional unit (Nor	A6E60500005	
	As FC1004 for technical details	s, but with the following differences:	
	Operating access through Nordi		
FC1004-E		A 6 5 6 0 5 0 0 0 0 6	
С1004-Е	4-zone conventional unit (NL)		A6E60500006
С1004-Е		s, but with the following differences:	A0E00500000

Conventional Fire Control Panels 4-zone Panels Accessories FC1004

Туре			Order No.
Z3B171	Relay module with 1 co	ontact	BPZ:4843830001
	The relay module is an a by the fire control panel	dditional fire event control module, activated 's control output.	
	Contact rating	250 VAC / 10 A	
	Delivery unit	10 pieces	
FCA1007	Key switch kit		A6E60500026
- CR-4	To provide operating acc	cess via key switch instead of password.	



Conventional Fire Control Panels 8-zone Panels EC10 Sorios

FC10 Series			Order No
Туре			Order No.
FC1008	8-zone conventional unit		FC1008
	for conventional fire detection cost-effective fire detection par Each line can be individually co SynoLINE600. This allows to co	ew standard in functionality and design panels. FC1008 is an easy-to-handle, nel that is ideal for small installations. nfigured to SynoLINE300 and nnect all Synova TM conventional detec- like DF1191 flame, DLO1191 linear	
	Conventional line	8	
	Transmission output contact	2 x 30 VDC / 1 A	
	Supervised output	2 x 24 VDC / 0.5 A	
	Control output	14 x 24 VDC / 40 mA	
	Control input	6	
	Mains voltage	115/230 VAC / 1.5 A +10 % -15 %, 50/60 Hz	
	Battery capacity	2 x 12 V / 12 Ah	
	Standard	EN54, CE	
	Dimensions (W x H x D)	506 x 378 x 125 mm	
	Case protection category	IP30	
	Color housing/cover	grey, RAL 9006/white, RAL 9003	
	Data sheet	008099	
	Expansion	FCA1002 Display unit FCA1003 Sounder control card FCA1004-F Line extension card SST FCA1000-FF Interface card SST FCA1005-D RT-isolation card FCA1006-F RS232 adapter FCP1004-E Power supply 3.5 A FCA1007-B Add-on line card	
	Accessories	Z3B171 Relay module FCA1007 Key switch kit	
FC1008-A	8-zone conventional unit (Sta	A6E60500007	
	As FC1008 for technical detail		
	Power consumption	25 45 VA	
	Quiescent current	125 mA	
-C1008-B	8-zone conventional unit (Hea	A6E60500008	
	As FC1008 for technical detail	s, but with the following differences:	
	Special line monitoring for rem		
	Power consumption	25 45 VA	
	Quiescent current	125 mA	
-C1008-C	8-zone conventional unit (No	rdic)	A6E60500009
	As FC1008 for technical detail	s, but with the following differences:	
	Operating access through the N	lordic key.	
	Power consumption	25 45 VA	
	Power consumption Quiescent current	25 45 VA 125 mA	
	Quicacent current	123111/1	

Conventional Fire Control Panels 8-zone Panels FC10 Series

Туре		Order No.
FC1000 D		A6E60500010
FC1008-D	8-zone conventional unit (CH)	A0200500010
	As FC1008 for technical details, but with the following differences:	
	With special fire brigade operating panel for the Swiss market.	
	Power consumption 25 45 VA	
	Quiescent current 125 mA	
FC1008-E	8-zone conventional unit (Evacuation)	A6E60500011
	As FC1008 for technical details, but with the following differences:	
	Additional evacuation functions according to NEN2575. With 3.5 A power supply FCP1004-E.	
	Power consumption 20 110 VA	
	Quiescent current 170 mA	
FC1008-F	8-zone conventional unit (VdS)	A6E60500012
	As FC1008 for technical details, but with the following differences:	
	VdS options (e.g. Feuerwehrbedienfeld-, Hauptmelder-, Feuerwehrtre sor-Anschaltung).	
	Power consumption 25 45 VA	
	Quiescent current 180 mA	

Conventional Fire Control Panels 8-zone Panels Expansion FC1008



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Expansion FCTU	78	
Туре		Order No.
FCA1002	Display unit To provide alarm counter, clock, event memory, delay countdown. Fac- tory equipped with FC1008-E, FC1008-F, FC1012-F. Optional with FC1008-A/-B/-C/-D, FC1012-A/-B-C/-D.	A6E60500021
FCA1003	Sounder control card To provide 4 additional monitored control lines. Not possible with FC1008-F, FC1012-F.	A6E60500022
FCA1004-F	Line extension card SST Provides 4 additional detection lines and connecting facility for external extinguishing control. Accessory for FC1008-F and FC1012-F only.	A6E60500023
FCA1000-FF	Interface card SST To provide connecting facility to external extinguishing control. Acces- sory for FC1008-F and FC1012-F only.	A6E60500055
FCA1005-D	RT-isolation card To provide hardware disconnecting facility for the remote transmission channels.	A6E60500024
FCA1006-F	RS232 adapter To provide connecting facility to FAT (VdS). Accessory for FC1008-F, FC1012-F only.	A6E60500025
FCP1004-E	Power supply 3.5 A Power supply 3.5 A, accessory for all control unit types FC10, or as spare part for FC1008-E and XC10.	A6E60500054
FCA1007-B	Add-on line card To provide line continuity with diode bases according to British Stand- ard BS5839 Pt1. One unit per 2 lines. Accessory for FC1024-A if used with FC1008/12-B.	A6E60500027

Conventional Fire Control Panels 8-zone Panels Accessories FC1008

Туре			Order No.
Z3B171	Relay module with 1 cc	ontact	BPZ:4843830001
	The relay module is an additional fire event control module, activated by the fire control panel's control output.		
1993	Contact rating	250 VAC / 10 A	
	Delivery unit	10 pieces	
FCA1007	Key switch kit		A6E60500026
- Ch.	To provide operating acc	cess via key switch instead of password.	



Conventional Fire Control Panels 12-zone Panels EC10 Sorios

Туре			Order No.
FC1012	12-zone conventional unit		FC1012
	for conventional fire detection cost-effective fire detection par Each line can be individually co SynoLINE600. This allows to co	ew standard in functionality and design panels. FC1012 is an easy-to-handle, nel that is ideal for small installations. nfigured to SynoLINE300 and nnect all Synova [™] conventional detec- like DF1191 flame, DLO1191 linear	
	Conventional line	12	
	Transmission output contact	2 x 30 VDC / 1 A	
	Supervised output	2 x 24 VDC / 0.5 A	
	Control output	18 x 24 VDC / 40 mA	
	Control input	6	
	Mains voltage	115/230 VAC / 1.5 A +10 % -15 %, 50/60 Hz	
	Power consumption	25 45 VA	
	Battery capacity	2 x 12 V / 12 Ah	
	Standard	EN54, CE	
	Dimensions (W x H x D)	506 x 378 x 125 mm	
	Case protection category	IP30	
	Color housing/cover Data sheet	grey, RAL 9006/white, RAL 9003 008099	
	Expansion Accessories	FCA1002 Display unit FCA1003 Sounder control card FCA1004-F Line extension card SST FCA1000-FF Interface card SST FCA1005-D RT-isolation card FCA1006-F RS232 adapter FCP1004-E Power supply 3.5 A FCA1007-B Add-on line card Z3B171 Relay module	
		FCA1007 Key switch kit	
FC1012-A	12-zone conventional unit (St	andard)	A6E60500014
	As FC1012 for technical detail	s, but with the following differences:	
	Quiescent current	155 mA	
FC1012-B	12-zone conventional unit (Head removal monitoring)		A6E60500015
	As FC1012 for technical detail	s, but with the following differences:	
	Special line monitoring for removal of a detector.		
	Quiescent current	155 mA	
FC1012-C	12-zone conventional unit (No	ordic)	A6E60500016
	As EC1012 for technical detail	s, but with the following differences:	
	Operating access through the N	-	
	Quiescent current	155 mA	

Conventional Fire Control Panels 12-zone Panels FC10 Series

Туре		Order No.
FC1012-D	12-zone conventional unit (CH) As FC1012 for technical details, but with the following differences: With special fire brigade operating panel for the Swiss market.	A6E60500017
	Quiescent current 155 mA	
FC1012-F	12-zone conventional unit (VdS)	A6E60500018
	As FC1012 for technical details, but with the following differences:	
	VdS options (e.g. Feuerwehrbedienfeld-, Hauptmelder-, Feuerwehrtre- sor-Anschaltung).	
	Quiescent current 220 mA	
FC1024-A	12-zone conventional expansion unit	A6E60500019
	To expand the FC1008 or FC1012 by 12 zones (except for FC1008-E, -F and FC1012-F).	

Conventional Fire Control Panels 12-zone Panels Expansion FC1012

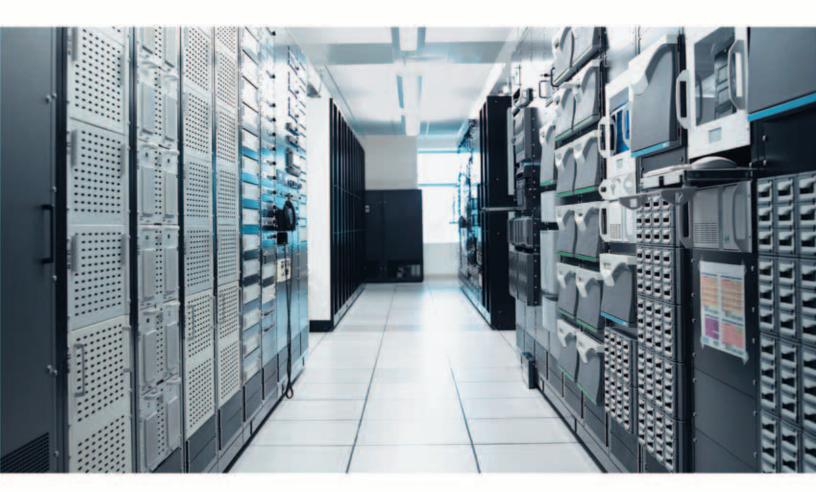


Тура		Order No.
Туре		order No.
FCA1002	Display unit	A6E60500021
	To provide alarm counter, clock, event memory, delay countdown. Fac- tory equipped with FC1008-E, FC1008-F, FC1012-F. Optional with FC1008-A/-B/-C/-D, FC1012-A/-B-C/-D.	
FCA1003	Sounder control card	A6E60500022
	To provide 4 additional monitored control lines. Not possible with FC1008-F, FC1012-F.	
FCA1004-F	Line extension card SST	A6E60500023
	Provides 4 additional detection lines and connecting facility for external extinguishing control. Accessory for FC1008-F and FC1012-F only.	
FCA1000-FF	Interface card SST	A6E60500055
	To provide connecting facility to external extinguishing control. Accessory for FC1008-F and FC1012-F only.	
FCA1005-D	RT-isolation card	A6E60500024
	To provide hardware disconnecting facility for the remote transmission channels.	
FCA1006-F	RS232 adapter	A6E60500025
	To provide connecting facility to FAT (VdS). Accessory for FC1008-F, FC1012-F only.	
FCP1004-E	Power supply 3.5 A	A6E60500054
	Power supply 3.5 A, accessory for all control unit types FC10, or as spare part for FC1008-E and XC10.	
FCA1007-B	Add-on line card	A6E60500027
	To provide line continuity with diode bases according to British Stand- ard BS5839 Pt1. One unit per 2 lines. Accessory for FC1024-A if used with FC1008/12-B.	

Conventional Fire Control Panels 12-zone Panels Accessories FC1012

Туре			Order No.
Z3B171	Relay module with 1 co	ontact	BPZ:4843830001
14	The relay module is an a by the fire control panel	dditional fire event control module, activated 's control output.	
	Contact rating	250 VAC / 10 A	
	Delivery unit	10 pieces	
FCA1007	Key switch kit		A6E60500026
- CR-4	To provide operating ac	cess via key switch instead of password.	





XC10 – the compact solution for single-sector extinguishing and detection.

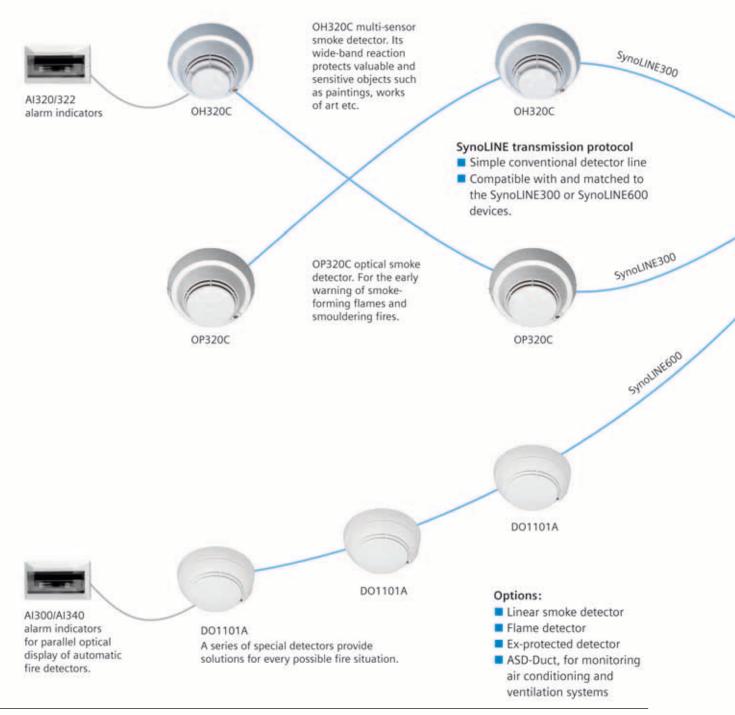
The XC10 extinguishing panel is highly flexible and can be used for a great variety of applications. Designed for a single extinguishing sector, it can operate as a stand-alone solution or be integrated into a system.

- Fire detection and extinguishing system control in one panel
- High flexibility in actuation of extinguishing systems
- Suitable for all types of extinguishing agents and applications
- Rapid, easy installation and commissioning
- Many different detector portfolios are supported
- Complies with international standards (EN52-2/4, EN12094,...)

Conventional Extinguishing Control Panels Connectible to Fire Detection Systems Conventional Extinguishing System Overview

XC10 extinguishing control unit

Self contained control unit including fire detection and extinguishing control for one extinguishing sector 4 zones for the connection of the SynoLINE300 or SynoLINE600 devices Cross zoning for safety activation Separate indication for fire, activation delay and released condition Keypad and LED displays for mains/battery monitoring, alarms, faults, remote transmission, activation, delay time, isolation, signal confirmation, evacuation and reset.



Conventional Extinguishing Control Panels Connectible to Fire Detection Systems Conventional Extinguishing System Overview



3



DM1103-S manual call point for immediate triggering of an emergency stop of the extinguishing activation process.

Extinguishing cylinder bank

Full facility to actuate and control the cylinder bank for one extinguishing sector 2 actuator lines for different facilities to activate the cylinder bank, e.g. master and slave actuator
Compatible with a wide range of solenoid and pyrotechnical actuators Inputs for: agent released, loss of agent and mechanical blocking device.



Option: In case of open door the door lock contact blocks the extinguishing release.



DM1103-L manual call point for immediate triggering of an extinguishing alarm.





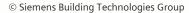




Agent released Loss of agent

Actuator

The XC10 extinguishing panel activates and controls various extinguishing systems using a range of agents. XC10 is compatible with solenoid or pyrotechnical actuators.



Conventional Extinguishing Control Panels Connectible to Fire Detection Systems XC10 Series

XC1001-A

Extinguishing control unit

The new XC10 extinguishing control unit for 1 extinguishing sector to control small and medium size extinguishing installations. Self-contained control unit including fire detection and extinguishing control. Two valve control lines, master and slave, both are compatible for the activation of solenoids and pyrotechnical actuators. Easy to integrate in fire detection systems via in-/output module. Easy on-site configuration. Each line can be individually configured to SynoLINE300 and SynoLINE600. This allows to connect all SynovaTM conventional detectors as well as special detectors like DF1191 flame, DLO1191 linear detectors etc.

Integral capacity for emergency power of up to 30 h. Inscription stripes in following languages English, French, German, Italian, Spanish, Dutch, Flemish, Portuguese, Polish, Czech, Swedish, Danish, Norwegian and Finnish are enclosed.

Conventional line	4	
Alarm relay output (NO/NC)	max. 2 x 250 V, 1 A	
Supervised output	3 x 24 V, 500 mA	
	2 x 24 V, 2 A	
Control output	8 x 24 V, 40 mA	
Control input	4 (positive potential via dry contact)	
Relay output (volt-free)	5 x 30 V, 1 A	
Mains voltage	230 VAC, +10 % -15 %, 50/60 Hz	
Power consumption	20 150 VA	
Quiescent current	132 mA	
Battery capacity	2 x 12 V / 4.5 Ah	
Standard	EN12094-1, EN54-2, EN54-4	
Dimensions (W x H x D)	370 x 286 x 90 mm	
Case protection category	IP30	
Color	white, RAL 9003	
Data sheet	008496	
Expansion	XCA1016 Add-on module	
	XCE1002 Trigger element	
	XCA1020 Accessory set for FDCIO	
	FCA1005-D RT-isolation card	
Accessories	Z3B171 Relay module	
	FCA1007 Key switch kit	

A6E60500060

Order No.

Conventional Extinguishing Control Panels Connectible to Fire Detection Systems XC10 Series



3

Order No.

XC1001-B

Туре



Extinguishing control unit (Fran	A5Q00018177	
The new XC10 extinguishing cont control small and medium size ex tained control unit including fire of Two valve control lines, master an activation of solenoids and pyrote fire detection systems via in-/outp tion. Each line can be individually SynoLINE600. This allows to conn tors as well as special detectors life detectors etc. Integral capacity for emergency p Inscription stripes in French are en		
Conventional line	4	
Alarm relay output (NO/NC)	max. 2 x 250 V, 1 A	
Supervised output	3 x 24 V, 500 mA 2 x 24 V, 2 A	
Control output	8 x 24 V, 40 mA	
Control input	4 (positive potential via dry contact)	
Relay output (volt-free)	5 x 30 V, 1 A	
Mains voltage	230 VAC, +10 % -15 %, 50/60 Hz	
Power consumption	20 150 VA	
Quiescent current	132 mA	
Battery capacity	2 x 12 V / 4.5 Ah	
Standard	EN12094-1, EN54-2, EN54-4	
Dimensions (W x H x D)	370 x 286 x 90 mm	
Case protection category	IP30	
Color	white, RAL 9003	
Data sheet	008496	
Expansion	XCA1016 Add-on module XCE1002 Trigger element XCA1020 Accessory set for FDCIO FCA1005-D RT-isolation card	
Accessories	Z3B171 Relay module FCA1007 Key switch kit	

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Conventional Extinguishing Control Panels Connectible to Fire Detection Systems Expansion XC10

Туре		Order No.
XCA1016	Add-on module The add-on module splits the two functions on the monitored input 1 onto two independent monitored input lines '1A' and '1B'. This module is only required for installations in which both states 'loss of agent' and 'mech. blocking device open/closed' have to be reported.	A5Q00016213
XCE1002	Trigger element Required as an alarm trigger element for manual call points with func- tionality Hold/Abort in case if more than one manual call point is con- nected on monitor control line 3 of the XC10. Manual call point type DM1103-S does not use this element but the functionality of this trigger element XCE1002 is implemented.	A5Q00015659
XCA1020	Accessory set for FDCIO Mounting support for I/O-module FDCIO222 for the connection to a fire detection system.	A5Q00025158
FCA1005-D	RT-isolation card	A6E60500024

FCA1005-D

RT-isolation card

To provide hardware disconnecting facility for the remote transmission channels.

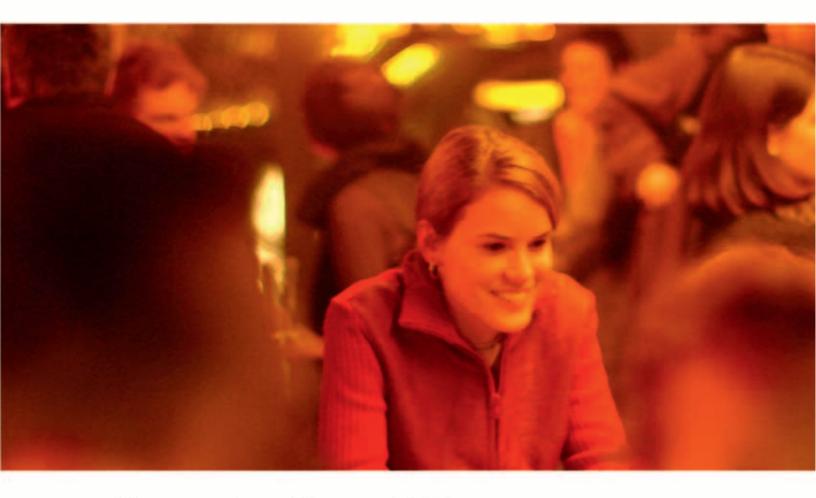
Conventional Extinguishing Control Panels Connectible to Fire Detection Systems Accessories XC10



3

Accessories X	10		
Туре			Order No.
Z3B171	Relay module with 1 co The relay module is an a by the fire control panel'	dditional fire event control module, activated	BPZ:4843830001
	Contact rating Delivery unit	250 VAC / 10 A 10 pieces	
FCA1007	Key switch kit		A6E60500026
"		ess via key switch instead of password.	

Conventional SynoLINE Detectors

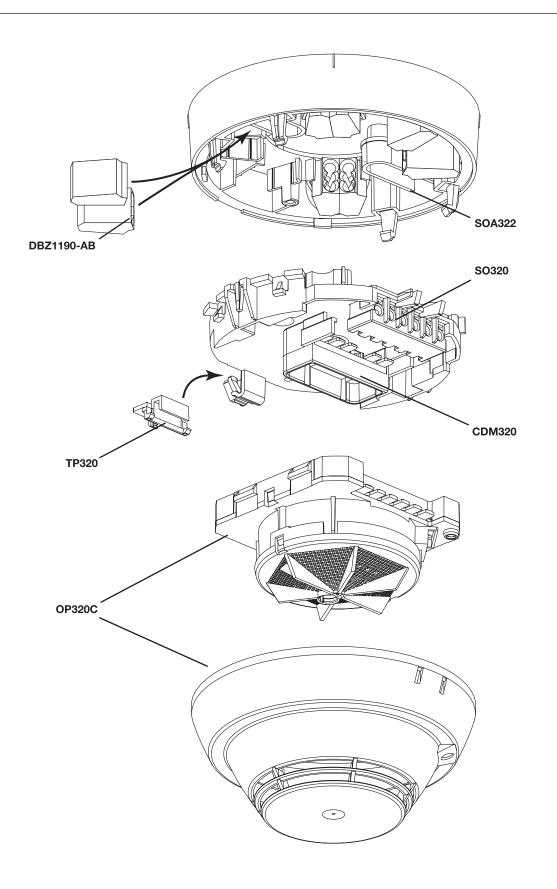


No worries after switching on.

Firework is teamwork. And that is why Synova[™] components work perfectly together. As a result, false alarms belong to the past, thanks to the newly developed optical measurement chambers of the Synova detectors and the comprehensive features of the FC10.

- Attractive, environmentally aware design
- Superior resistance to contamination and electromagnetic interference
- Screwless connection
- Uniform electronics-free base with matching accessories
- High stability against lightning
- Short-circuit-proof output for the connection of external alarm indicators
- Can be easily colored and blends comfortably into surrounding decor





Conventional Line SynoLINE300 Conventional Detectors Detectors Synova 300 Series

Туре

Order No.

BPZ:5081460001

BPZ:5364190001

OP320C

Optical smoke detector

The OP320C has an excellent all-round performance within the Synova 300 range. It has a completely new optical chamber and the latest electronics which open up new dimensions in safety and functionality. The base SO320 must be ordered separately.

Operating voltage Quiescent current	16 28 VDC no smoke max. 100 μA with smoke max. 170 μA
Operating temperature	-10 +55 °C
Protection category	IP44
Standard	EN54-7
Color	white, RAL 9010 (can be sprayed a different color)
Dimensions (Ø x H)	100 x 44 mm (incl. base)
Approval	VdS G298039, LPCB 531c/04
Delivery unit	2 pieces
Data sheet	006801

OH320C



Smoke detector, conventional multi-sensor

The OH320C is the most sensitive detector in the Synova 300 range. It has a completely new and patented optical system and the latest electronics. This opens up new dimensions with regard to safety and functionality.

The base SO320 must be ordered separately.

Operating voltage Quiescent current	16 28 VDC no smoke max. 100 μA with smoke max. 170 μA
Operating temperature	-10 +55 °C
Protection category	IP44
Standard	EN54-7
Color	white, RAL 9010 (can be sprayed a different color)
Dimensions (Ø x H)	100 x 52 mm (incl. base)
Approval	VdS G200109, LPCB 531c/02
Delivery unit	2 pieces
Data sheet	006886

Heat detector (rate of rise and maximum)

BPZ:5081590001

The HI320C is an extremely reliable rate of rise and maximum temperature detector for demanding applications. It is characterized by reliable response behavior, not only in the event of temperature rises which are slow, but also where the temperature rises are fast. The base SO320 must be ordered separately.

Operating voltage	16 28 VDC
Quiescent current	max. 100 μA
Operating temperature	-10 +50 °C
Protection category	IP44
Standard	EN54-5: A1R
Color	white, RAL 9010 (can be sprayed a different color)
Dimensions (Ø x H)	100 x 36 mm (incl. base)
Approval	VdS G298040, LPCB 531b/03
Delivery unit	2 pieces
Data sheet	006885



HI320C

Conventional Line SynoLINE300 **Conventional Detectors Detectors Synova 300 Series**

Туре



Order No. BPZ:5316470001 HI322C Heat detector (maximum) The HI322C is a reliable heat detector for locations in which there are large fluctuations in temperature. It continuously measures the ambient temperature and reacts if there is a sustained overshoot of defined maximum values. The base SO320 must be ordered separately. 16... 28 VDC Operating voltage Quiescent current max. 100 μA -10... +50 °C Operating temperature IP44 Protection category Standard EN54-5: A2 Color white, RAL 9010 (can be sprayed a different color) Dimensions (Ø x H) 100 x 36 mm (incl. base) Approval VdS G299024, LPCB 531b/04 Delivery unit 2 pieces Data sheet 006802 BPZ:5085990001 SO320 Base for Synova 300 series detectors Base made of impact, scratch-proof plastic and environmentally safe materials. The base is completely covered by the detector. It fits all Synova 300 series detectors, conventional and addressable. Standard click-concept, with screwless terminals for easy installation. Click-in connection for alarm indicators is standard on the base. Fits all standard flush mounting boxes from 55 to 80 mm. Cable capacity 0.2... 1.5 mm² Color white, RAL 9010 Delivery unit 6 pieces Accessories SOA322 Base attachment for surface mounting TP320 Detector locking device Accessories BPZ:5358340001 SOA322 Base attachment for surface mounting Base attachment for feeding in surface wiring and to provide more wire space. It may also be used as a junction box where up to 30 wires can be connected. Up to 10 connection terminals DBZ1190-AB can be clicked into to the base attachment SOA322. The base SO320 is mounted using a spring-loaded catch. Dimensions (Ø x H) 100 x 20 mm Cable capacity 0.2... 2.5 mm² Color white, RAL 9010 Delivery unit 6 pieces Accessories DBZ1190-AB Connection terminal 2.5 mm² BPZ:4942340001 DBZ1190-AB Connection terminal 2.5 mm², 3-pole As cross-connection in bases for external alarm indicators (AI), cable shielding, for the connection of a power supply unit or other components. It can easily be inserted. 1... 2.5 mm² Cable capacity

50 pieces

Delivery unit

Conventional Line SynoLINE300 Conventional Detectors Detectors Synova 300 Series

Туре

Order No.

TP320

Detector locking device



To protect the detector from theft. Mounts on the detector base SO320.

50 pieces

Delivery unit

BPZ:5093100001

Conventional Line SynoLINE300 Manual Call Points Manual Call Point MT320C



4

Туре			Order No.
MT320C	Conventional manual call poin a fire alarm or an extinguishing	Conventional manual call point for SynoLINE300IConventional manual call point for the immediate manual actuation of a fire alarm or an extinguishing process by pushing in the glass plate. It	
	-G & -B red, yellow, green & bl	MTE320C and choice of FDMH291-R, -Y, ue housings.	
	Standard Protection category	EN54-11, BS5839-2 IP44	
Print Print	Operating temperature	-25 +70 °C	
	Dimensions (W x H x D)	87 x 87 x 46.6 mm	
	Approval Data sheet	LPCB 126w/03 007983	
	Accessories	FDMC291 Protective cover A5Q00004478 Screwed cable gland M20	
		A5Q00004479 Back nut M20	
FDMH291-R	Housing red with key		A5Q00002217
24 M	Housing with key for electroni	c unit.	
	Color	red, RAL 3000	
FDMH291-Y	Housing yellow with key Housing with key for electroni	ic unit.	A5Q00004979
	Color	yellow, RAL 1023	
FDMH291-G	Housing green with key		A5Q00004981
	Housing with key for electroni	c unit.	
CA FILE HENES	Color	green, RAL 6024	

Conventional Line SynoLINE300 Manual Call Points Manual Call Point MT320C

Туре			Order No.
FDMH291-B	Housing blue with key		A5Q00004980
	Housing with key for electronic	unit.	
MENERS	Color	blue, RAL 5005	
MTE320C	Switching unit conventional, v	without integral LED	A5Q00005577
1	Compatible with conventional s alarm evaluation. Glass plate wi	ignal control unit with differential the break point and protective foil.	
	Operating voltage Terminal block	16 28 VDC min. 0.28 1.5 mm ²	
	Accessories		
FDMC291	Protective cover		A5Q00001644
	The protective cover protects the manual call point from unintentional glass break. For manual call point housings FDMH291-x.		
	Delivery unit	5 pieces	
A5Q00004478	Screwed cable gland M20 x 1.	5	A5Q00004478
	The screwed cable gland is for N ter IP protection.	/20 cable feed-through. It enables bet-	
	Delivery unit	10 pieces	
A5Q00004479	Back nut M20		A5Q00004479
0	Back nut to screwed cable gland	Back nut to screwed cable gland M20 x 1.5.	
V	Delivery unit	100 pieces	

Conventional Line SynoLINE300 Alarm Indicators AI Series for SynoLINE300

Туре

AI320

AI322

AI330



Alarm indicator (frame mounting)

The AI320 alarm indicator is the visual parallel indication for fire detectors used on the SynoLINE300 detector line. It is provided with a dark red luminous element, fitted with LEDs. The alarm indicator is ideally used where the fire detector is difficult to see (e.g. hotel rooms, switching cabinets). The AI320 is suitable for door frames.

Operating voltage	6 28 VDC
Operating current	max. 35 mA
Cable capacity	max. 1.5 mm ²
Operating temperature	-25 +80 °C
Protection category	IP40
Dimensions (W x H x D)	62 x 37 x 17 mm
Color	white, RAL 9010
Data sheet	007267

Alarm indicator (surface mounting)

The AI322 alarm indicator is the visual parallel indication for fire detectors used on the SynoLINE300 detector line. It is provided with a dark red luminous element, fitted with LEDs. The alarm indicator is ideally used where the fire detector is difficult to see (e.g. hotel rooms, switching cabinets). The AI322 is suitable for surface wall mounting.

Operating voltage	6 28 VDC
Operating current	max. 35 mA
Cable capacity	max. 1.5 mm ²
Operating temperature	-25 +80 °C
Protection category	IP40
Dimensions (W x H x D)	85 x 85 x 25 mm
Color	white, RAL 9010
Data sheet	007267
Accessories	AI330 Adapter frame

Accessories

Adapter frame for alarm indicator



By means of the additional frame, the alarm indicator can also be used for surface laid conduits or ducts, to increase the loop space and as an adapter for different makes of the box.

Dimensions (W x H x D) Delivery unit

85 x 85 x 16 mm 10 pieces

BPZ:5163160001

Order No.

BPZ:5163030001

BPZ:3169430001

4

Collective SynoLINE Detectors



Fire protection with SynoLINE. No problems before switching on.

SynoLINE has been designed from scratch to combine excellent performance with the simplest possible installation, start-up, maintenance, and daily use. As a result, the installer can work more efficiently. And the user can start managing his affairs after a shorter period.

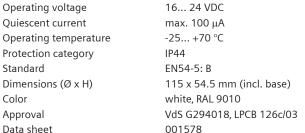
- Attractive, environmentally aware design
- Blends unobtrusively into any room
- Superior resistance to contamination and electromagnetic interference
- Screwless connection technology
- High stability against lightning
- Short-circuit-proof output for the connection of external alarm indicators
- Wide variation of accessories for countless applications

Туре

BPZ:4930020001 D01101A Smoke detector, collective wide spectrum The DO1101A has a new, high performance optoelectronic sensor system. It has uniform response behavior for different types of fire. It has a high resistance to soiling and temperature fluctuation. The base DB1101A must be ordered separately. Operating voltage 16... 24 VDC Quiescent current max. 100 μA Operating temperature -25... +60 °C IP44 Protection category Standard EN54-7 115 x 51 mm (incl. base) Dimensions (Ø x H) white, RAL 9010 Color VdS G294005, LPCB 126a/08 Approval Data sheet 001578 BPZ:4931700001 DT1101A Heat detector The DT1101A has a precise maximum temperature alarm activation with a quality thermo sensor. It has response behavior immune to deceptive phenomena with rapid and slow increases in temperature. Heat detector with wide application range up to +50 °C. For the monitoring of rooms and installations where in the event of fire, a rapid increase in temperature can be expected, or other types of detector cannot be used due to operational reasons. The base DB1101A must be ordered separately. 16... 24 VDC Operating voltage Quiescent current max. 100 μA Operating temperature -25... +50 °C Protection category IP44 Standard EN54-5: A1R Dimensions (Ø x H) 115 x 54.5 mm (incl. base) Color white, RAL 9010 Approval VdS G294017, LPCB 126b/03 Data sheet 001578 DT1102A Heat detector The DT1102A has a precise maximum temperature alarm activation with a quality thermo sensor. It has response behavior immune to deceptive phenomena with rapid and slow increases in temperature. Heat detector for high ambient temperatures up to +70 °C. For the

tures can be expected up to +70 °C.

The base DB1101A must be ordered separately.



monitoring of rooms and installations in which high ambient tempera-



5

Order No.

BPZ:4931830001

Туре

DB1101A

Base for collective detector series

Base made of impact and scratch-proof plastic and environmentally safe materials. Integral rubber gasket to protect against draught, dirt and dripping water from above. Screwless terminals for easy installation. Space for auxiliary terminals as micro terminals (0.5 mm²) and connection terminals (2.5 mm²). Fits all standard flush-mounted boxes from 55 to 80 mm.

Cable capacity	0.2 2.5 mm ²
Dimensions (Ø x H)	115 x 21 mm
Protection category	IP44
Color	white, RAL 9010
Delivery unit	6 pieces
Data sheet	001035
Accessories	DBZ1191 Base attachment for sur-
	face mounting
	DBZ1191A-AA Base attachment flat
	for surface mounting
	DBZ1192 Base attachment humid
	DBZ1192-AA Base attachment wet
	DBZ1195A Acoustic base
	DBC1191A-AA Relay base
	DBZ1190 Locking device
	DBZ1190A-AC Detector heating
	DBZ1193A Detector designation
	plate
	DBZ1193A-AA Detector marking
	DBZ1190-AB Connection terminal
	2.5 mm ²
	DBZ1190-AA Micro terminal
	0.5 mm ²

Accessories

Color

DBZ1191

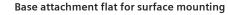
Base attachment for surface mounting

Bases are mounted using a spring-loaded catch. Dimensions (Ø x H) 116 x 22 mm

Delivery unit

white, RAL 9010 5 pieces

DBZ1191A-AA





For surface-mounted applications with cables up to Ø6 mm, and to use existing mounting holes of MS7/MS9 bases. Bases DB1101A and SO620A are mounted using a spring-loaded catch.

For feeding in surface wiring and to provide more wire loop space.

Dimensions (Ø x H)	116 x 11 mm
Color	white, RAL 9010
Delivery unit	5 pieces

Order No.

BPZ:4863650001

BPZ:4540830001

BPZ:5011270001

Туре			Order No.
DBZ1192		rosive environments. M20 x 1.5 cable the base attachments for easy access. 135 x 135 x 45 mm white, RAL 9010 IP44 DBZ1194 Protective cage	BPZ:4588140001
DBZ1194	Protective cage To protect the detector from dar the base attachment humid.	A5Q00004478 Screwed cable gland M20 nage. Can only be used together with	BPZ:4677110001
A5Q00004478	Screwed cable gland M20 x 1.5 The screwed cable gland is for M20 cable feed-through. It enables bet- ter IP protection. Delivery unit 10 pieces		A5Q00004478
DBZ1192-AA	Base attachment for wet envir As DBZ1192 but for IP55 protect only. Dimensions (W x H x D) Color Protection category Accessories	onment ion for heat detectors DT11xx / HI62x 135 x 135 x 45 mm white, RAL 9010 IP55 A5Q00004478 Screwed cable gland M20	BPZ:5355590001

Туре

DBZ1195A



base using a spring-loaded catch.

The base DBZ1195A has an integrated base sounder. It is mainly used for hotel rooms or wherever it is sensible to have an acoustic warning when a detector is activated. The sounder is operated when the detec-

Power supply 15... 30 VDC max. 70 mA (pulsated) Sound level ≥75 dB / 1 m (without auxiliary supply) ≥85 dB / 1 m (with auxiliary supply) -10... +60 °C Operating temperature Dimensions (Ø x H) 128.5 x 32 mm (without detector) Color white, RAL 9010 Protection category IP44 001444 Data sheet Accessories DBZ1190-AA Micro terminal 0.5 mm² DBZ1190-AB Connection terminal 2.5 mm²

tor LED is lit. The base DB1101A or SO620A is mounted in the acoustic

DBC1191A-AA

DBZ1190-AA

Relay base

The base DBC1191A-AA has an integrated relay. It enables the connection of a simple fire control output facility. The contact is activated when the detector LED is lit. The base DB1101A or SO620A is mounted using a spring-loaded catch.

Operating voltage Operating current Quiescent current Relay output Operating temperature Dimensions (Ø x H) Color Protection category Data sheet Accessories external supply 10... 48 VDC 12... 24 mA 3.5... 7 mA 30 VDC / 1 A -10... +60 °C 128.5 x 32 mm (without detector) white, RAL 9010 IP44 001566 DBZ1190-AA Micro terminal 0.5 mm² DBZ1190-AB Connection terminal 2.5 mm²

Accessories

Micro terminal 0.5 mm², 4-pole

As cross-connection in bases for external alarm indicators (AI), cable shielding, for the connection of a power supply unit or other components. It can easily be inserted.

Cable capacity Delivery unit 0.28... 0.5 mm² 50 pieces

BPZ:5017870001

Order No.

BPZ:4940140001

BPZ:4677080001

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Туре			Order No.
DBZ1190-AB	Connection terminal 2.5 mm ² , 3-pole		BPZ:4942340001
	As cross-connection in bases for external alarm indicators (AI), cable shielding, for the connection of a power supply unit or other compo- nents. It can easily be inserted.		
	Cable capacity	1 2.5 mm ²	
	Delivery unit	50 pieces	
DBZ1190	Locking device		BPZ:4585260001
-	To protect the detector from thef	t.	
4	Delivery unit	50 pieces	
DBZ1190A-AC	Detector heating		BPZ:5167850001
	Allows the Synova 600 series smoke detectors to operate under critical environmental conditions, for example where there is a danger of icing, moisture or condensation, in refrigeration plants, cold storage rooms, attics, loading ramps etc. Fits in DB1101A and SO620A.		
	Operating voltage	20 30 VDC	
	Operating current	35 55 mA	
	Operating temperature	-30 +40 °C	
DBZ1193A	Detector designation plate		BPZ:4864330001
	To indicate location address. To number the detectors according to the installation drawings. The font may be up to 10 mm in an area of $60 \times 20 \text{ mm}$. The detector designation plate is connected directly to the base (Synova TM) or base attachment (Synova TM , Sinteso TM).		
	Color	transparent	
	Delivery unit	10 pieces	
DBZ1193A-AA	Detector marking		BPZ:5009820001
	To indicate location of detector w	ith a separator.	
100	Color	transparent	
	Delivery unit	10 pieces	

Туре			Order No.
DM1101	Collective manual call point for SynoLINE600 Collective manual call point for the immediate manual actuation of a fire alarm or an extinguishing process by pushing in the glass plate. The electronic unit DMA1101 and the housing FDMH291-x must be ordered separately.		DM1101
	Standard Protection category Operating temperature Dimensions (W x H x D) Approval Data sheet Accessories	EN54-11, BS5839-2 IP44 -25 +70 °C 87 x 87 x 46.6 mm LPCB 126w/02 007980 FDMC291 Protective cover A5Q00004478 Screwed cable gland M20 A5Q00004479 Back nut M20	
FDMH291-R	Housing red with key		A5Q00002217
A	Housing with key for electronic	unit. red, RAL 3000	
FDMH291-Y	Housing yellow with key Housing with key for electronic	unit.	A5Q00004979
	Color	yellow, RAL 1023	
FDMH291-G	Housing green with key		A5Q00004981
CA FILL HENRES	Housing with key for electronic Color	unit. green, RAL 6024	



5

Туре			Order No.
FDMH291-B	Housing blue with key		A5Q00004980
	Housing with key for electronic u Color	blue, RAL 5005	
DMA1101	Collective MCP switching modu	ule	A5Q00005578
_i+•,+ Ì	ings. For connection to SynoLINE	or use within the FDMH291-x hous- 600 collective detection lines. An inte- n of alarm. Provided complete with	
<u>ः -</u>	Operating voltage Terminal block	16 26 VDC min. 0.28 1.5 mm ²	
	Accessories		
FDMC291	Protective cover		A5Q00001644
	The protective cover protects the manual call point from unintentional glass break. For manual call point housings FDMH291-x.		
	Delivery unit	5 pieces	
A5Q00004478	Screwed cable gland M20 x 1.5		A5Q00004478
	The screwed cable gland is for M ter IP protection.	20 cable feed-through. It enables bet-	
	Delivery unit	10 pieces	
A5Q00004479	Back nut M20		A5Q00004479
0	Back nut to screwed cable gland	M20 x 1.5.	
$\mathbf{\nabla}$	Delivery unit	100 pieces	

DM1103	Collective manual call point The DM1103 is the best price		DM1103
68	The DM1103 is the best price		
	plugged in just before the sta	ation work. The electronic unit can be	
* • •			
Camera	Standard Protection category	EN54-11 IP54 (IP65 with protection seal and screwed cable gland)	
and the second se	Operating temperature	-25 +70 °C	
	Dimensions (W x H x D)	134 x 134 x 43 mm	
	Approval	VdS G295036	
	Data sheet Accessories	007980 DMZ1197-AD Protection seal DMZ1197-AC Protective cover A5Q00004478 Screwed cable gland M20 A5Q00006735 Locking plug M20 (1 hole) A5Q00010055 Locking plug M20 (2 holes)	
MA1192-AA	Manual call point housing r	ed	BPZ:5222870001
AUT IN USA AUTOSEK METANOA AUSOSEK METANOA HORIKA SERVICIO HURIKA DEL SARVELIO BERETA GARVELIO	to IP65 with a simple retrofit I meet customer equirements. the electronic unit for functio front door. The housing can b during installation. The separ	r the DMA11x3. It can easily be upgraded kit. It also features exchangeable labels to The plastic housing offers easy access to onal tests and maintenance through the be pre-installed to save time and money rately ordered electronic unit is plugged in access key for the manual call point is ell as different labels.	
	Color	red, RAL 3000	
MA1192-AB	Manual call point housing b	blue	BPZ:5464250001
1 6	As DMA1192-AA, but differen Color	blue, RAL 5005	
NOT IN USE NUSSER BETING USES STAVUS RUDEN SERVICE RUDEN SERVICE RUDEN SERVICE RUDEN SERVICE			



Туре			Order No.
DMA1192-AC	Manual call point housing yell As DMA1192-AA, but different co		BPZ:5464120001
NATI NA UNA APORA NA UNA Nationa Santana Nationa Santana Nationa Santana Nationa Santana	Color	yellow, RAL 1023	
DMA1192-AD	Manual call point housing gree		BPZ:5090190001
	As DMA1192-AA, but different co		
NOT IN USE ANDER BETAR B MISS SERVICE MISS SERVICE MISS SERVICE MISS SERVICE MISS COMPLEX	Color	green, RAL 6024	
DMA1103D	Electronic unit collective (doub	ble action)	A5Q00004470
-	press the button to activate an a	ction device; just break the glass and larm. An LED always indicates the sta- electronic unit is plugged into the mmissioning.	
Serverson Construction	Operating voltage Terminal block	16 28 VDC min. 0.28 1.5 mm ²	
	Accessories		
DMZ1197-AD	Protection seal		BPZ:5470680001
11 × 1 × 1	Protects the manual call point in The seal improves the manual ca	wet applications. Il point housing's IP protection.	
	Delivery unit	5 pieces	

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Туре			Order No.
DMZ1197-AC	Protective cover Protects the manual call point fr tive cover can be easily fitted dir Delivery unit	rom unintentional glass break. Protec- rectly in the housing cover. 5 pieces	BPZ:5223550001
A5Q00004478	ter IP protection.	120 cable feed-through. It enables bet-	A5Q00004478
A5Q00006735	Delivery unit Locking plug M20 x 1.5 (1 hole For the manual call point housir For applications in dry rooms.	10 pieces e) ngs, surface-mounted feed lines.	A5Q00006735
A5Q00010055	Color Delivery unit Locking plug M20 x 1.5 (2 hole For the manual call point housir For applications in dry rooms.	red, RAL 3000 10 pieces es) ngs, surface-mounted feed lines.	A5Q00010055
DM1103-L	Color Delivery unit Manual release button comple	red, RAL 3000 10 pieces ete (yellow) -L for the immediate manual actuation	A5Q00017630
MANUAL RELEASE Gas extinguishing system	of a gas extinguishing system. For indoor and outdoor applicat dusty areas. For surface-mounted feed lines equipped with opening at the to M20 cable glands or locking plu For indirect extinguishing releas pressing the push button. To rep	ion, equally suited for wet, humid and	
	Data sheet Accessories	007980 DMZ1197-AD Protection seal DMZ1197-AC Protective cover A5Q00004478 Screwed cable gland M20	

Туре

R

Order No.

DM1103-S

Emergency stop button complete (blue)

Emergency stop button DM1103-S for the stop function of a gas extinguishing system.

For indoor and outdoor application, equally suited for wet, humid and dusty areas.

For surface-mounted feed lines to the DM1103-S, the housing is equipped with openings at the top and bottom, with sealing studs for M20 cable glands or locking plug (2 locking plugs, 2 holes enclosed). Indirect stop function by smashing in the glass plate and pressing the push button. As soon as the button is not pressed any longer (self reset), the stopped extinguishing release will continue. To replace the glass plate, open the housing door with the key.

Data sheet Accessories 007980 DMZ1197-AD Protection seal DMZ1197-AC Protective cover A5Q00004478 Screwed cable gland M20

Collective Line SynoLINE600 **Alarm Indicators** AI Series for SynoLINE600

Туре

AI300

AI340



Alarm indicator (frame mounting)

The AI300 alarm indicators are the visual parallel indications for fire detectors used on the SynoLINE600 detector line and SynoLOOP detector bus. They are provided with a dark red luminous element, fitted with LEDs. The Al300 is suitable for door frames.

Operating voltage	5 8 VDC
Operating current	max. 35 mA
Cable capacity	max. 1.5 mm ²
Operating temperature	-25 +80 °C
Protection category	IP40
Dimensions (W x H x D)	62 x 37 x 17 mm
Color	white, RAL 9010
Data sheet	007162

Alarm indicator (surface mounting)

The AI340 alarm indicators are the visual parallel indications for fire detectors used on the SynoLINE600 detector line and SynoLOOP detector bus. They are provided with a dark red luminous element, fitted with LEDs. The AI340 is suitable for surface wall mounting.

Operating voltage	5 8 VDC
Operating current	max. 35 mA
Cable capacity	max. 1.5 mm ²
Operating temperature	-25 +80 °C
Protection category	IP40
Dimensions (W x H x D)	85 x 85 x 25 mm
Color	white, RAL 9010
Data sheet	007162
Accessories	AI330 Adapter frame

Accessories

Delivery unit

Adapter frame for alarm indicator

Dimensions (W x H x D)

By means of the additional frame, the alarm indicator can also be used for surface laid conduits or ducts, to increase the loop space and as an adapter for different makes of the box.

85 x 85 x 16 mm

10 pieces



Alarm indicator incl. insulating cap

Indicator lamp to connect in parallel to automatic fire detectors. Made of transparent plastic, the alarm indicator is suitable for installation in door frames, switching panels, ceiling voids or special housings. The 23 mm Ø mounting hole is drilled by the system owner. The holder must be fitted with an insulating cap for safety.

Operating voltage Operating current Color Data sheet Accessories

6... 8 VDC max. 35 mA transparent Synova[™] 007162 Sinteso[™] 001520 DCA1191 Housing (IP56)

BPZ:4876360001

BPZ:4930440001

Order No.

BPZ:4930280001

AI330

DJ1193



BPZ:3169430001

Collective Line SynoLINE600 Alarm Indicators AI Series for SynoLINE600

Туре

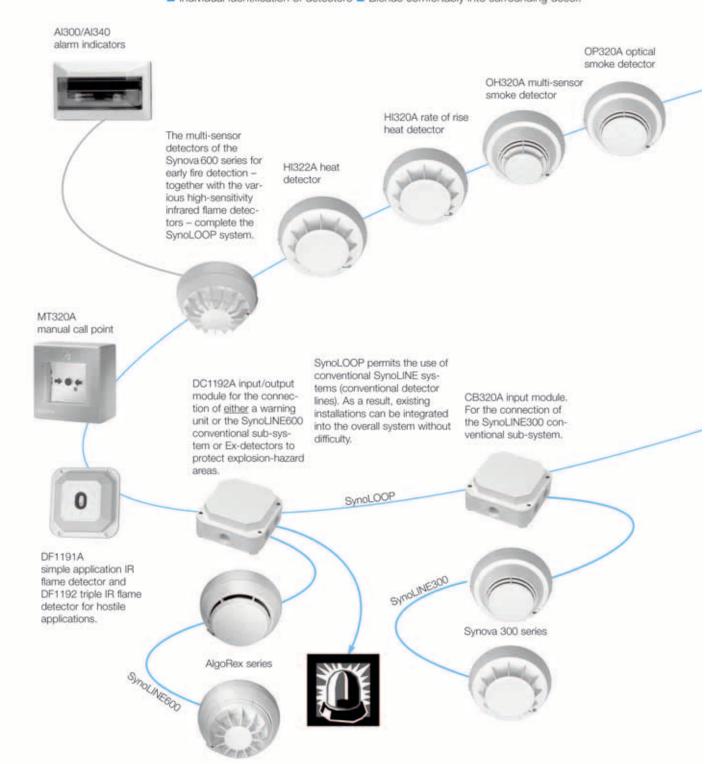


5

Order No. Accessories DCA1191 Housing (empty) BPZ:4588560001 Housing with cover for several applications. The housing offers six M20 cable feed-throughs for screwed cable glands and offers a better IP protection. The screwed cable gland must be ordered separately. Dimensions (W x H x D) 135 x 135 x 65 mm Color pure white, RAL 9010 IP56 Protection category Accessories A5Q00004478 Screwed cable gland M20 A5Q00004478 A5Q00004478 Screwed cable gland M20 x 1.5 The screwed cable gland is for M20 cable feed-through. It enables better IP protection. Delivery unit 10 pieces

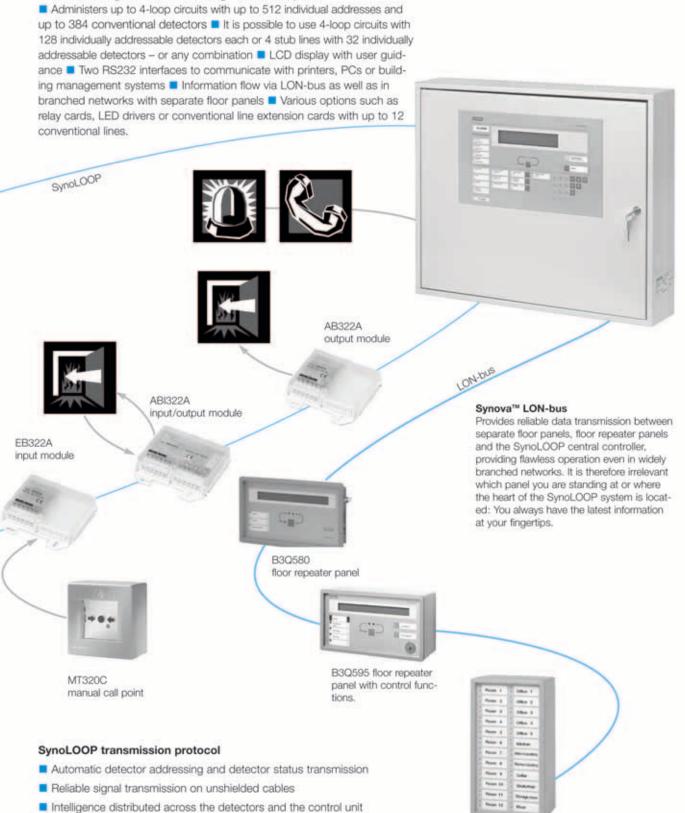
Synova[™] detectors

 Attractive, environmentally friendly design
 Superior resistance to contamination and electromagnetic interference
 Screwless connection
 Uniform electronics-free base with matching accessories
 High stability against lightning
 Short-circuitproof output for the connection of external alarm indicators
 High functionality through signal processing in control panels
 Isolation function in every detector
 Individual identification of detectors
 Blends comfortably into surrounding decor.





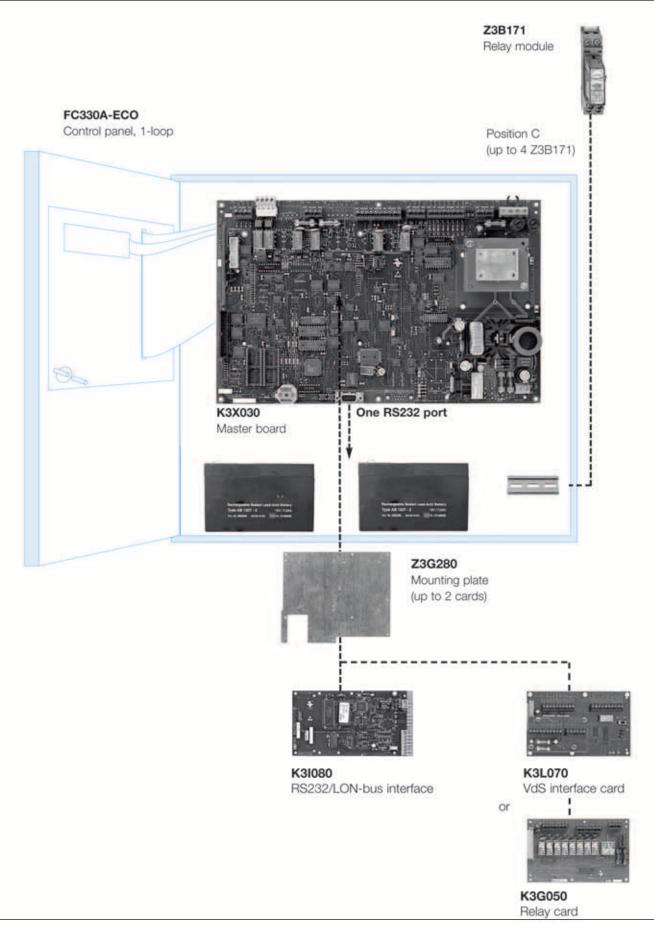
FC330A analogue auto-addressing fire control panel



B3R051 parallel indicator panel

6

Auto-addressing Fire Control Panels 1-loop Panels FC330A-ECO Expansion Overview



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Auto-addressing Fire Control Panels 1-loop Panels FC330A-ECO Fire Control Panels

Order No.

FC330A-ECO..

Туре

FC330A-ECO..



1-loop fire control panel, analogue, auto-addressing

With its 128 auto-addressable SynoLOOP elements, the FC330-ECO.. is an excellent solution for smaller fire detection system installations, traditionally done with conventional panels. The SynovaTM 1-loop control panels are designed to make fire detection system installations safe and easy. The configuration of the fire detection system is done automatically when the system is powered up. No worries on setting dip switches, punch cards or even earth leakages. Now the fire and control zones (up to 128 each) can be configured to customer requirements, either with the keypad or with the Windows-based configuration tool. The FC330-ECO.. has an amazing number of extension possibilities. The choose the language a selection of languages set (FCAxxx) are offered and have to be ordered separately.

	Number of loops Number of addresses Programmable output Transmission output contact Supervised output Programmable input Programmable fire zone Programmable fire zone Programmable control zone Relay output Mains voltage Power consumption Quiescent current Battery capacity Operating temperature Cabinet dimensions (W x H x D) Color Protection category Standard Approval Data sheet Options Expansion	1 128 8 x 24 VDC / 48 mA 2 x 30 VDC / 1 A 2 x 24 VDC / 500 mA 4 1 128 128 2 x 30 VDC / 1 A 230 VAC ±15 %, 50 60 Hz max. 50 VA 120 mA with 100 SynoLOOP detec- tors 2 x 12 V / 12 Ah 0 +50 °C 400 x 400 x 110 mm light grey, RAL 7035 IP40 EN54-2/-4 VdS G298015, LPCB 126h Issue 9 007397 FCAxxx Language set Z3G280 Mounting plate K31080 RS232/LON converter K3L070 VdS interface card K3G050 Relay card	
	Accessories	Z3G300 Mounting plate for RT (CH) Z3G290 Adapter set 19" F02F290 Cable for optional key Z3B171 Relay module Z3S020 Key switch module Nordic Z3S030 Key switch module Kaba TKU2 Surveillance contact	
FC330A-ECO	1-loop fire control panel, analog	gue, auto-addressing	BPZ:5437160001
	As FC330A-ECO		
FC330A-ECO-CH	1-loop fire control panel, analog	gue, auto-addressing	BPZ:5775750001
	As FC330A-ECO for technical de ences:	tails, but with the following differ-	
	With special fire brigade operatin	g panel for the Swiss market.	

Auto-addressing Fire Control Panels 1-loop Panels Options FC330A-ECO

Туре		Order No.
FCA105	Language set standard English for FC330A The language set contains the fire control panel SW (version phase 4) as two EPROMs and inscription strips to be inserted into the panel.	BPZ:5760130001
FCA125	Language set Castilian for FC330A	BPZ:5760260001
FCA135	Language set Catalan for FC330A	BPZ:5760390001
FCA145	Language set Flemish for FC330A	BPZ:5760420001
FCA155	Language set Walloon for FC330A	BPZ:5760550001
FCA165	Language set Dutch for FC330A	A5Q00012607
FCA175	Language set Italian for FC330A	BPZ:5760680001
FCA185	Language set Polish for FC330A	BPZ:5760710001
FCA195	Language set German for FC330A	BPZ:5760840001
FCA205	Language set French for FC330A	BPZ:5761490001
FCA215	Language set Swedish for FC330A	BPZ:5760970001

Auto-addressing Fire Control Panels 1-loop Panels Options FC330A-ECO



Туре		Order No.
FCA225	Language set Czech for FC330A	BPZ:5761070001
FCA235	Language set Slovakian for FC330A	BPZ:5761100001
FCA245	Language set Hebrew for FC330A	BPZ:5761230001
FCA255	Language set Cyrillic for FC330A	BPZ:5761360001
FCA265	Language set Norwegian for FC330A	BPZ:5761520001
FCA275	Language set Portuguese for FC330A	A5Q00014230

Auto-addressing Fire Control Panels 1-loop Panels Expansion FC330A-ECO

Туре			Order No.
Z3G280	Mounting plate to FC330A-ECO.		BPZ:5661460001
		vs integration of electronic accesso- xpand the unit with up to two cards.	
	Dimensions (W x H)	250 x 170 mm	
K3I080	RS232/LON converter		BPZ:5047680001
	application on serial ports, and is f FC330A as an extension. The LO LEDs. Four different types of remo		
	Quiescent current Supply voltage	10 mA 5 VDC from K3X020/030	
K3L070	VdS interface card		BPZ:5238200001
	contains the fire service key box as to a fire brigade operating panel of	S peripherals are specified. The card dapter. It also permits the connection or a transmission device. A standard d. One plug is provided for the VdS	
	Quiescent current Alarm current	12 mA 40 mA	
K3G050	Relay card		BPZ:5129700001
1111111111	The relay card offers additional out tion of fire doors or air vents.	utputs for fire controls such as activa-	
	Programmable output	4 x 24 VDC / 48 mA	
1 1000 1 1000 1 1000 1	Relay output	8 x 30 VDC / 2 A	
	Supervised output	2 x 24 VDC / 500 mA	
	Quiescent current Consumption per activated relay	20 mA +9 mA	
Z3G300			BPZ:5776720001
230300	Mounting plate for remote tran		512.3770720001
	The mounting plate Z3I300 allows in the control unit version FC330/	integration of a remote transmission A-2-CH and FC330A-ECO-CH.	
	Dimensions (W x H)	230 x 170 mm	

Auto-addressing Fire Control Panels 1-loop Panels Accessories FC330A-ECO



Туре		Order No.
Z3G290	19" adapter set for FC330A-ECO	BPZ:5661590001
	The adapter set Z3G290 allows integration of the FC330A-ECO ir 19" cabinet. It needs 10 rack-units in the space of the 19" cabinet.	
	Dimensions (W x H) 19" x 10 HU	
F02F290	Connecting ribbon cable for optional key	BPZ:5137620001
	The F02F290 allows the spare key from the panel keypad to be use an additional input, e.g. for lamp test etc. It will be connected inside panel, from the keypad directly to any input on the main board.	
700171		887.4642820001
Z3B171	Relay module with 1 contact	BPZ:4843830001
	The relay module is an additional fire event control module, activa by the fire control panel's control output.	ted
	Contact rating250 VAC / 10 ADelivery unit10 pieces	
Z3S020	Key switch module 'Nordic access key'	BPZ:4840820001
	The system operator may access the fire detection system by mean the Nordic key. It follows the Nordic fire brigade key concept. The age includes one key, the key switch module, a connection cable as as the mounting accessories. It will be mounted directly in the par door.	back- well
Z3S030	Key switch module like-keyed concept	BPZ:4840950001
P	The system operator may access the fire detection system by mean a like-keyed concept. It follows the 'Kaba' key concept. The package includes two keys, the key switch module, a connection cable as we the mounting accessories. It will be mounted directly in the panel of	je ell as

Туре

Order No.

TKU2

Surveillance contact

Ĵ

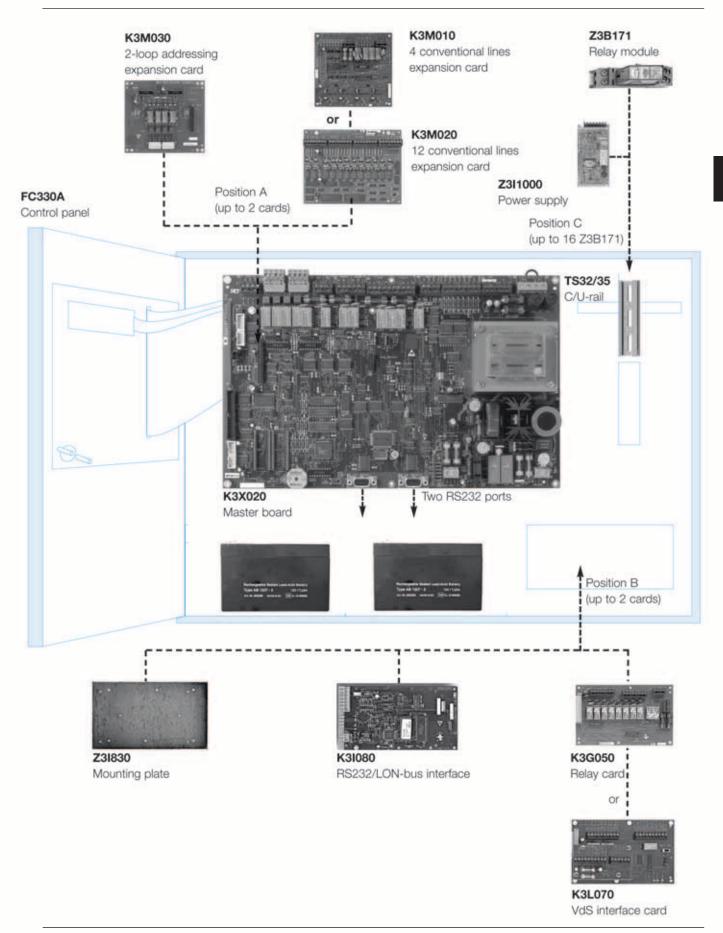
The TKU2 is for front or side mounting on doors, windows, safes, garages etc. It can also be used as sabotage protection for equipment in security systems; e.g. control units, electronic detectors etc.

Switch power rating>25 WCurrent>1 AVoltagelow voltageActuating pressure400 g max.Data sheet008126

BPZ:2305080001

Auto-addressing Fire Control Panels Modular Panels FC330A Expansion Overview





Туре			Order No.
			502204
C330A	2-loop fire control panel, analog		FC330A
		The Synova [™] fire control panels FC330A make fire detection system	
		installations safe and easy. The panels administer up to 4 SynoLOOP cir- cuits with up to 512 auto-addressable SynoLOOP elements or 384 con-	
		ventional SynoLINE detectors. The configuration of the fire detection	
		en the system is powered up. No wor-	
		ries on setting dip switches, punch cards or even earth leakages etc.	
		Now the fire and control zones can be configured to customer require- ments, either with the keypad or with the Windows-based configura-	
		training tool, always makes end-user	
		be easily expanded with additional	
		almost unlimited customized solu-	
		selection of languages set (FCAxxx)	
	are offered and have to be ordered	ed separately.	
	Number of loops	2	
	Number of addresses	256	
	Programmable output	8 x 24 VDC / 48 mA	
	Transmission output contact	2 x 30 VDC / 1 A	
	Supervised output	4 x 24 VDC / 500 mA	
	Programmable input	4	
	Programmable key input	1	
	LED input	4	
	Programmable fire zone	512	
	Programmable control zone	128	
	Relay output	2 x 30 VDC / 1 A	
	Mains voltage	230 VAC ±15 %, 50 60 Hz	
	Power consumption	max. 100 VA	
	Quiescent current	168 mA with 200 SynoLOOP detec- tors	
		230 mA with 500 SynoLOOP detec-	
		tors	
	Battery capacity	2 x 12 V / 12 Ah	
	Operating temperature	0 +50 °C	
	Cabinet dimensions (W x H x D)	580 x 480 x 120 mm	
	Color	light grey, RAL 7035	
	Protection category	IP40	
	Standard	EN54-2, IEC721-3-3/3K5	
	Approval	VdS S/G298015, LPCB 126i Issue 8	
	Data sheet	007408	
	Expansion	K3M030 2-loop expansion card	
		K3M010 4 conventional lines expansion card	
		K3M020 12 conventional lines	
		expansion card	
		Z3I830 Mounting plate	
		K3I080 RS232/LON converter	
		K3G050 Relay card K3L070 VdS interface card	
		Z3G300 Mounting plate for RT (CH)	
		Z3I1000 Power supply set	
		Z3I1020 Battery extension set	
	Accessories	F02F290 Cable for optional key	
		Z3B171 Relay module	
		Z3S020 Key switch module Nordic	
		735030 Key switch module Kaba	
		Z3S030 Key switch module Kaba TKU2 Surveillance contact	

Auto-addressing Fire Control Panels Modular Panels FC330A Control Panels



6

Туре			Order No.
FC330A-1	2-loop fire control panel, analogue, auto-addressing		BPZ:5665570001
	As FC330A		
	Options	FCAxxx Language set	
FC330A-2		gue, auto-addressing but with the following differences: llel indicator module B3R080 or a cov-	BPZ:5665600001
	er plate H23B030 in the front doo		
	Options	FCAxxx Language set B3R080 Parallel indicator H23B030 Cover plate	
FC330A-2-CH	2-loop fire control panel, analogue, auto-addressing		BPZ:5775880001
	As FC330A for technical details, but with the following differences:		
	With special fire brigade operating panel (FBA) for the Swiss market. Prepared for installation of a parallel indicator module B3R080 or a cov- er plate H23B030, in the front door. The B3R080 or H23B030 for the front door must be ordered separately.		
	Options	FCAxxx Language set B3R080 Parallel indicator H23B030 Cover plate	
FC330A-4	2-loop fire control panel, analog	2-loop fire control panel, analogue, auto-addressing	
	As FC330A for technical details, but with the following differences:		
	With compartments inside the front door and in the front panel. There is space for manuals, A3 floor plans and other documentation. The pan- el door, accessible with a key, protects against unauthorized access. A second inner door provides easy access for installation and mainte- nance.		
	Cabinet dimensions (W x H x D) Options	510 x 540 x 200 mm FCAxxx Language set	
FC330A-5	2-loop fire control panel, analog	gue, auto-addressing	BPZ:5665590001
	As FC330A for technical details, but with the following differences:		
	With a different LC display for the Hebrew character set. Prepared for installation of a parallel indicator module B3R080 or a cov- er plate H23B030 in the front door. The B3R080 or H23B030 for the front door must be ordered separately.		
	Options	FCA245 Language set B3R080 Parallel indicator H23B030 Cover plate	

Auto-addressing Fire Control Panels Modular Panels FC330A Control Panels

Туре			Order No.
FC330A-6 2-loop fire control panel, analogue, auto-addressir As FC330A for technical details, but with the following the state of the following the state of the following the state of			BPZ:6289900001
FC330A-NL	Options	FCA255 Language set	A5Q00013021
	With option for integra Already implemented K3G050 and 3 relay m	As FC330A for technical details, but with the following differences: With option for integration of the evacuation module for Netherland. Already implemented are the power supply Z3I1000, 1 relay card K3G050 and 3 relay modules Z3B171. The B3R080 or H23B030 for the front door must be ordered separately.	
	Options	FCAxxx Language set	

Auto-addressing Fire Control Panels Modular Panels Options FC330A



	Туре		Order No.
ļ	FCA105	Language set standard English for FC330A The language set contains the fire control panel SW (version phase 4) as two EPROMs and inscription strips to be inserted into the panel.	BPZ:5760130001
I	FCA125	Language set Castilian for FC330A	BPZ:5760260001
I	FCA135	Language set Catalan for FC330A	BPZ:5760390001
ļ	FCA145	Language set Flemish for FC330A	BPZ:5760420001
l	FCA155	Language set Walloon for FC330A	BPZ:5760550001
l	FCA175	Language set Italian for FC330A	BPZ:5760680001
l	FCA185	Language set Polish for FC330A	BPZ:5760710001
I	FCA195	Language set German for FC330A	BPZ:5760840001
I	FCA205	Language set French for FC330A	BPZ:5761490001
I	FCA215	Language set Swedish for FC330A	BPZ:5760970001
l	FCA225	Language set Czech for FC330A	BPZ:5761070001

Auto-addressing Fire Control Panels Modular Panels Options FC330A

Туре		Order No.
FCA235	Language set Slovakian for FC330A	BPZ:5761100001
FCA245	Language set Hebrew for FC330A	BPZ:5761230001
FCA255	Language set Cyrillic for FC330A	BPZ:5761360001
FCA265	Language set Norwegian for FC330A	BPZ:5761520001

Auto-addressing Fire Control Panels Modular Panels Options FC330A-2 & -2-CH & -5



Туре		Order No.
B3R080	Parallel indicator panel with 32 alarm indicators	BPZ:5238460001
	The parallel indicator visualizes important events, it has 32 LED displays connected to the main board and placed in the door of the FC330A-2/-2-CH/-5/-6. Each LED shows the alarm status of an associated fire zone.	
H23B030	Cover plate	BPZ:5238620001
	To cover the mounting facilities, if the parallel indicator B3R080 is not used.	

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Auto-addressing Fire Control Panels Modular Panels Expansion FC330A

Туре			Order No.
КЗМ030	2-loop expansion card		BPZ:5421600001
	with up to 128 auto-addressable LOOP with up to 256 auto-addre	2 30 mA +0.2 mA per connected detector	
КЗМ010	4 conventional lines expansion	n card	BPZ:5238170001
	be used to enable existing conve		
Sand As	Conventional line	4	
	Programmable output	4 x 24 VDC / 48 mA	
 All a state of the second secon	Relay output	2 x 30 VDC / 1 A	
	Supervised output Quiescent current	2 x 24 VDC / 500 mA 12 mA without detectors, but lines terminated 25 mA with 4 fully loaded lines	
	Consumption in alarm per line	+40 mA	
K3M020	12 conventional lines expansion	on card	BPZ:4984180001
	may be used to enable existing o		
	Conventional line	12	
	Programmable output	8 x 24 VDC / 48 mA	
	Quiescent current	34 mA without detectors, but lines terminated 72 mA with 12 fully loaded lines	
	Consumption in alarm per line	+40 mA	
Z3I830	Mounting plate		BPZ:5136650001
	The mounting plate Z3I830 allov when no other expansion card h	vs integration of electronic accessories as been installed.	
	Dimensions (W x H)	205 x 120 mm	

Auto-addressing Fire Control Panels Modular Panels Expansion FC330A



Туре			Order No.
K31080	RS232/LON converter The RS232/LON converter card K3l080 is required to provide LON-bus application on serial ports, and is fitted directly within the control panel FC330A as an extension. The LON-bus handles up to 256 outputs or LEDs. Four different types of remote indicating and control devices can be connected to the FC330A via the LON-bus option, floor repeater panels B3Q5xx, parallel indicators B3R051, LON input/output card K31110 and LON/Mimic display converter K31050.		BPZ:5047680001
	Quiescent current	10 mA	
	Supply voltage	5 VDC from K3X020/030	
K3G050	Relay card		BPZ:5129700001
and a second second	The relay card offers additional of tion of fire doors or air vents.	utputs for fire controls such as activa-	
	Programmable output Relay output Supervised output Quiescent current Consumption per activated relay	4 x 24 VDC / 48 mA 8 x 30 VDC / 2 A 2 x 24 VDC / 500 mA 20 mA +9 mA	
K3L070	VdS interface card	BPZ:5238200001	
	This card is only needed when VdS peripherals are specified. The card contains the fire service key box adapter. It also permits the connection to a fire brigade operating panel or a transmission device. A standard extinguishing interface is provided. One plug is provided for the VdS card or the relay card (K3G050).		
	Quiescent current Alarm current	12 mA 40 mA	
Z3G300	Mounting plate for remote tran		BPZ:5776720001
	The mounting plate 231300 allows in the control unit version FC330,	s integration of a remote transmission A-2-CH and FC330A-ECO-CH.	
	Dimensions (W x H)	230 x 170 mm	
Z3I1000	Power supply set		BPZ:5593440001
	devices need power supply from the backed up by the internal batterie	n extraordinary number of peripheral the panel (eg. LON-bus devices). It is s. The Z3I1000 set contains an AC/DC AC/DC converter and a monitoring	
	Output voltage	29.6 VDC ±2 %	
	Operating voltage	115 / 230 VAC ±14 % / -20 % 50 60 Hz	
	Current consumption	3.5 A (limited)	
	Power consumption	max. 120 VA	

Auto-addressing Fire Control Panels Modular Panels Expansion FC330A

Туре

Order No.

BPZ:5760000001

Z3I1020

Battery extension set



The battery extension set is needed to extend the battery capacity to 24 Ah. This set consists of the connecting cable and the mounting rack with a battery control unit for equable discharge of the batteries.

Auto-addressing Fire Control Panels Modular Panels Accessories FC330A



Туре			Order No.
	Accessories		
F02F290	Connecting ribbon cable fo	or optional key	BPZ:5137620001
	The F02F290 allows the spar an additional input, e.g. for la	re key from the panel keypad to be used as amp test etc. It will be connected inside the tly to any input on the main board.	
Z3B171	Relay module with 1 conta	ct	BPZ:4843830001
	The relay module is an addit by the fire control panel's co	ional fire event control module, activated ntrol output.	
	Contact rating	250 VAC / 10 A	
	Delivery unit	10 pieces	
Z3S020	Key switch module 'Nordic	access key'	BPZ:4840820001
	the Nordic key. It follows the age includes one key, the key	cess the fire detection system by means of Nordic fire brigade key concept. The pack- switch module, a connection cable as well . It will be mounted directly in the panel	
Z3S030	Key switch module like-key	yed concept	BPZ:4840950001
P	a like-keyed concept. It follo includes two keys, the key sw	cess the fire detection system by means of ws the 'Kaba' key concept. The package /itch module, a connection cable as well as will be mounted directly in the panel door.	
TKU2	Surveillance contact		BPZ:2305080001
f	The TKU2 is for front or side mounting on doors, windows, safes, garag- es etc. It can also be used as sabotage protection for equipment in secu- rity systems; e.g. control units, electronic detectors etc.		
e.	Switch power rating	>25 W	
	Current	>1 A	
	Voltage	low voltage	
	Actuating pressure	400 g max.	
	Data sheet	008126	

Туре

	Order No.
il TS35/7.5/122	BPZ:5644780001
il TS35/7.5/122	BPZ:5644780001

TS35_122

U-rail

Universal mounting rail (U-rail) enables mounting of various equipment.

Dimensions (W x H)

35 x 122 mm



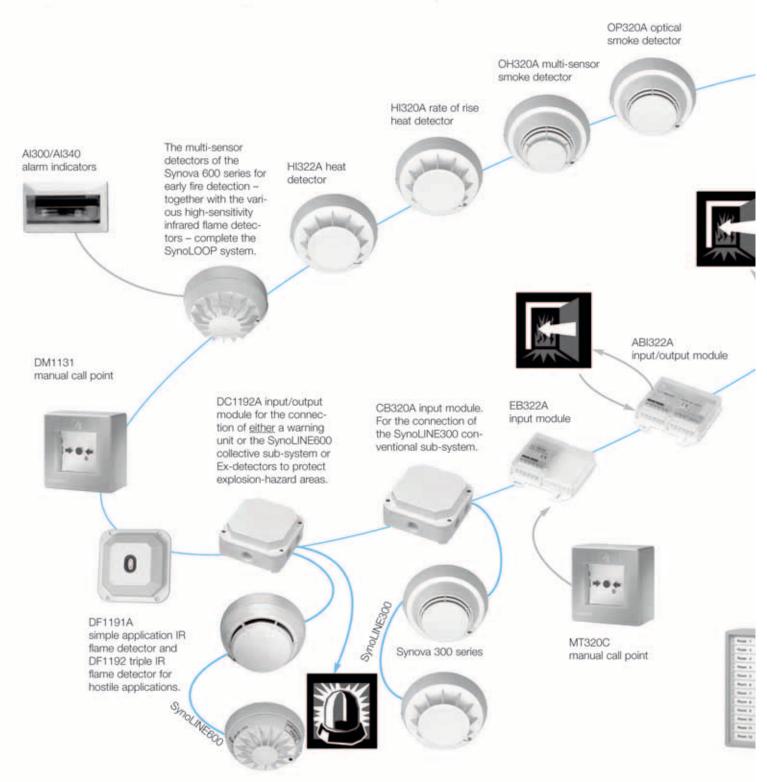
Successfully established: the networkable Synova™ FC700A fire alarm control panel.

The new, networkable Synova[™] FC700A fire alarm control panel is a perfect example of what we mean by an innovative fire alarm product. The centerpiece of the system, it supervises and controls all operations intelligently. Equipped with a wealth of features for the accurate evaluation of alarms, it provides clear, simple functionality via its large display, grouped function buttons and soft-key controls. Configuration is safe & easy using the Windows-based PC tool.

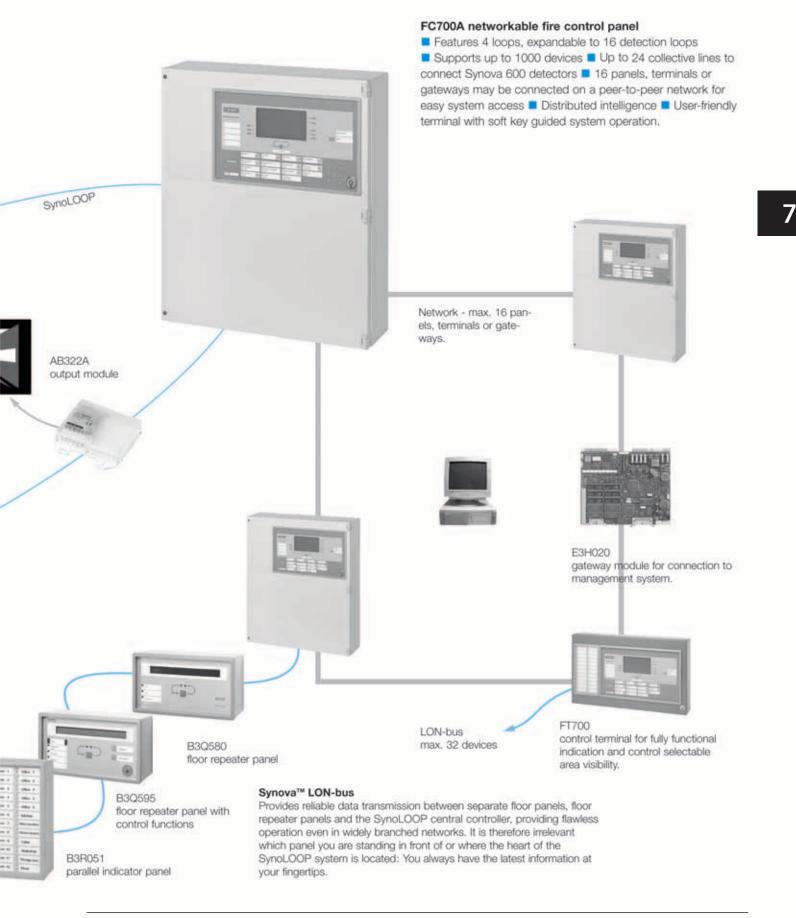
- 4 loops, expandable to 16
- 128 devices per loop
- 1,000 devices per panel
- Up to 24 collective lines for collective line SynoLINE600
- Up to 16 panels, terminals or gateways on a peer-to-peer network
- Distributed intelligence
- User-friendly terminal with soft-key-guided system operation

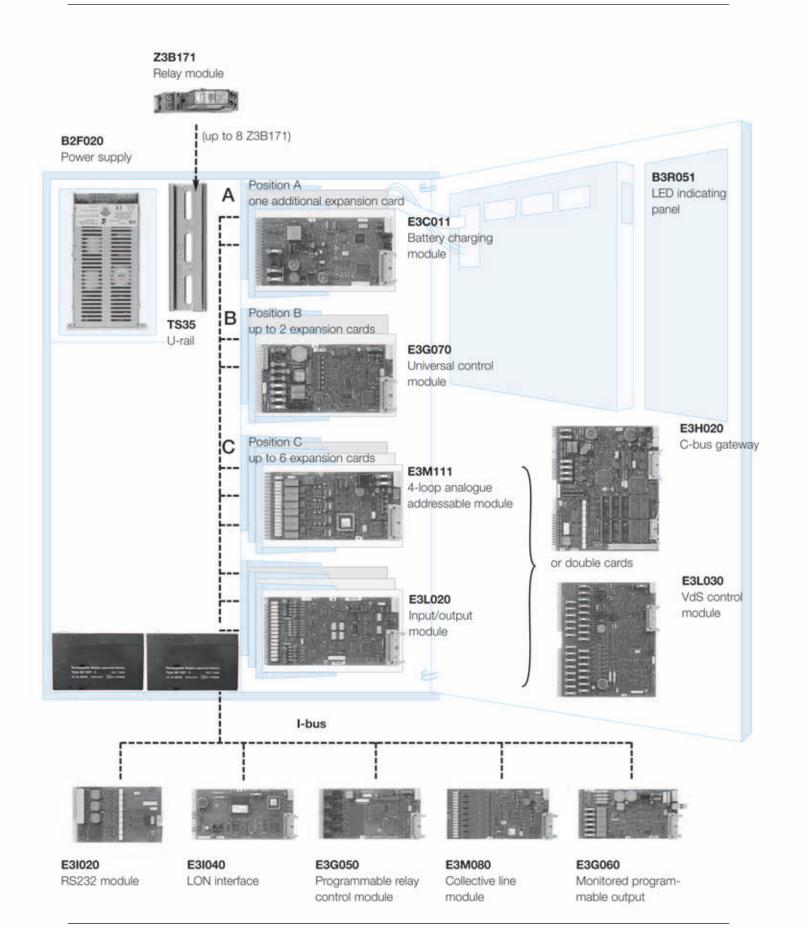
Synova[™] detectors

 Attractive, environmentally friendly design
 Superior resistance to contamination and electromagnetic interference
 Screwless connection
 Uniform electronics-free base with matching accessories
 High stability against lightning
 Short-circuitproof output for the connection of external alarm indicators
 High functionality through signal processing in control panels
 Isolation function in every detector
 Individual identification of detectors
 Blends comfortably into surrounding decor.









Networkable Fire Control Panels Networkable Panels FC700A Fire Control Panel

Туре

FC700A-1



4... 16-loop analogue addressable control panel

The FC700A is a modular 4-loop fire alarm control panel for use with Synova[™] analogue addressable devices. The FC700A can be self-contained or operate on a network (C-bus) of up to 16 panels, terminals or gateways. A maximum of 1000 devices can be supported on each panel. Additional cards can be added to increase integral control functions and indication as well as to monitor up to 24 collective zones. The system can be programmed via an off line, easy-to-use software tool. The control panel can process the signals from all analogue addressable Synova 300 and 600 series detectors. All devices incorporate an integral short circuit isolator. Freely programmable monitored and unmonitored in-/outputs are available either on the detection loop using addressable in-/output modules or internally in the panel. Further inputs/outputs are available using LON-bus control modules. The inscription stripes Spanish, Italian, Polish, Dutch and Czech must be ordered separately.

Z3S200 Key switch for operating

Z3B171 Relay module B3D021 Dual RS232 ITF box

panel

Number of loops Devices per loop Remote transmission alarm Remote transmission fault	4 (expandable -16) max. 128 30 VDC / 1 A 30 VDC / 1 A
Supervised output	2 x 24 VDC / 2 A
Programmable input/output Mains voltage	7 x 24 VDC / 40 mA 115/230 VAC, +10 %/-15 %, 50/60 Hz
Power consumption	40 220 VA
Emergency power supply	up to 72 h (optional)
Battery capacity	2 x 12 V / 15 Ah or 2 x 12 V / 27 Ah
Operating temperature	0 +40 °C
Operating voltage	18 45 VDC
Protection category	IP40
Approval	VdS G204001
Cabinet dimensions (W x H x D)	520 x 602 x 155 mm
Color housing/cover	light grey, RAL 7035
Data sheet	007829
Options	M3C700 USB software dongle FCAxxx Inscription stripes
Expansion	E3M111 Line module SynoLOOP E3M080 Collective line module E3L020 In-/Output module E3G060 Control module for alarm devices
	E3G050 Control module with 8 volt- free contacts
	E3I040 LON interface
	E3H020 C-bus gateway
	E3I020 RS232 module
	E3L030 VdS control module
	Additional power supply (H38G310, B2F020, E3C011, Z3I470)
	B3R051 Parallel indicator panel
Accessories	H26T030 Plexiglas door

Order No.

A5Q00004734

Networkable Fire Control Panels Networkable Panels **Options FC700A**

Туре		Order No.
МЗС700	USB software dongle For the programming tool SWE700A.	A5Q00004798
FCA725	Spanish inscription stripes for FC700A	A5Q00004833
FCA765	Dutch inscription stripes for FC700A	A5Q00012621
FCA775	Italian inscription stripes for FC700A	A5Q00004834
FCA785	Polish inscription stripes for FC700A	A5Q00004835
FCA835	Czech inscription stripes for FC700A	A5Q00012730

Networkable Fire Control Panels Networkable Panels Expansion FC700A

Туре			Order No.
E3M111	Line module SynoLOOP		BPZ:5115310001
	4-loop analogue addressable module. For use with Synova 300 and 600 devices. Max 128 devices per loop.		
	Auto-addressing SynoLOOP Supply voltage	4 24 V, max. 500 mA (not monitored) for DC/CB modules	
	Quiescent current	210 mA with 512 detectors (50 mA without detectors + 0.31 mA per SynoLOOP user)	
E3M080	Collective line module		BPZ:4602680001
	8-zone collective module. 8 collected detectors.	tive stub lines each with up to 25	
	Collective SynoLINE600	8	
	Quiescent current	85 mA 37 mA + 6 mA per terminated line	
	Consumption in alarm per line	+10 mA	
E3L020	Input/output module		BPZ:5466450001
	16-way input/output module. 16 x 24 VDC, 40 mA inputs or outputs. Each way freely programmable. Can be used in conjunction with Z3B171 to provide 250 VAC / 10 A control outputs.		
	Programmable in- or output	16 x 24 VDC / 40 mA	
	Quiescent current	22 mA	
E3G060	Control module for monitored a	BPZ:5425390001	
	6-way programmable monitored output module. 6 x individually pro- grammable 24 VDC, 2 A monitored outputs. Max 4 A total load.		
	Supervised output	6 x 24 VDC / 2 A (with over voltage protection)	
	Quiescent current	25 mA (no control line active)	
	Consumption in alarm per line	+23 mA	
E3G050	Control module with 8 volt-free	contacts	BPZ:4602550001
	Control module with 8 outputs (3 Individual function allocation of th	changeover and 5 make contacts). ne output contacts.	
	Programmable relay output	8 x 60 VDC / 1 A	
	Quiescent current	10 mA (all relays inactive)	
	Consumption per activated relay	+11 mA	
E3I040	LON interface		BPZ:4993100001
	The I-bus/LON-bus converter card E3I040 is fitted directly within the FC700A panel, or with mounting accessory Z1B070 in H28G200 hous-ing for FT700A.		
	Up to 32 LON-bus devices connec out loop line function.	table. Monitored two-wire bus with-	
	Quiescent current	15 mA (without external 24 V load)	

Networkable Fire Control Panels Networkable Panels Expansion EC700A

Expansion FC700	A		
Туре			Order No.
E3H020	C-bus gateway	uilding management system via V 29	BPZ:5466580001
	Connection C-bus network <-> Building management system via V 28 interface (RS232) ISO1745 Protocol.		
	Operating voltage Quiescent current	9 30 VDC 100 mA	
CKQ007	EPROM set for FG700A		A5Q00005137
P	Software for ISO1745 Protocol fo	r E3H020.	
E3I020	RS232 module		BPZ:4602390001
	Level converter with electrical isolation and EMI protection. Two serial RS232 interfaces to connect a printer or other serial devices.		
	Operating voltage	5 V from CPU/B3Q via flat cable F20A	
	Quiescent current	25 mA (increase on 24 V side)	
E3L030	VdS control module		BPZ:4759940001
	I-bus module for the connection of inputs/outputs to the peripheral e protection.	of VdS peripheral equipment. All equipment with EMI and over voltage	
	Quiescent current	18 mA (normal operating mode)	
Z3I1050	Connection cable 19 conductors	5	A5Q00004717
6	With terminal block and P.C.B. hol additional cards when used in cor	der. Allows fast insertion of up to two njunction with the Z3I1060.	

Networkable Fire Control Panels Networkable Panels Expansion FC700A



Туре			Order No.
Z3I1060	Terminal block		A5Q00004722
		ne terminal is used to connect periph- ion of up to two additional expansion vith the Z3I1050.	
Z1K030	Card holder		BPZ:4842310001
		al block. To be mounted where more must be inserted into the FC700A fire	
Z3I380	I-bus connection cable		BPZ:4755670001
	To connect the modules to the m	ounting section below.	
H38G310	Housing set, door without cutout		BPZ:4849300001
-	Housing for additional power sup	ply.	
	Cabinet dimensions (W x H x D) Color housing/cover Protection category	520 x 602 x 155 mm light grey, RAL 7035 IP40	
B2F020	AC/DC converter for auxiliary p	ower supply	BPZ:4705880001
	115/230 VAC to 29.6 VDC, 6 A (40	D 220 VA)	

Networkable Fire Control Panels Networkable Panels Expansion FC700A

	Battery charging unit		BPZ:5054790001
	Battery charging module for auxilia		DF2.5054790001
	FC700A.	ary power supply, or as spare part for	
Z3I470	Cable set		BPZ:4843410001
	Cable set with card holder for addi for FC700A.	tional power supply, or as spare part	
B3R051	Parallel indicator panel 2x24 LEDs		BPZ:4905130001
	the B3R051 LED indicating panels. system at any time. Red indicates a or zone isolation. B3R051 panels a means of K3I050 converters. Up to displaying identical information m	224 LED indicating panels B3R051 ay be connected to a single K3I050 0 the LED indicating panel B3R051 N converter K3I050 or from G230. For flush mounting use the	
	LED output	48 (24 x red and 24 x yellow)	
	Operating voltage	9 45 VDC	
	Quiescent current	40 mA	
	Alarm current	140 mA	
	Data sheet	007349	

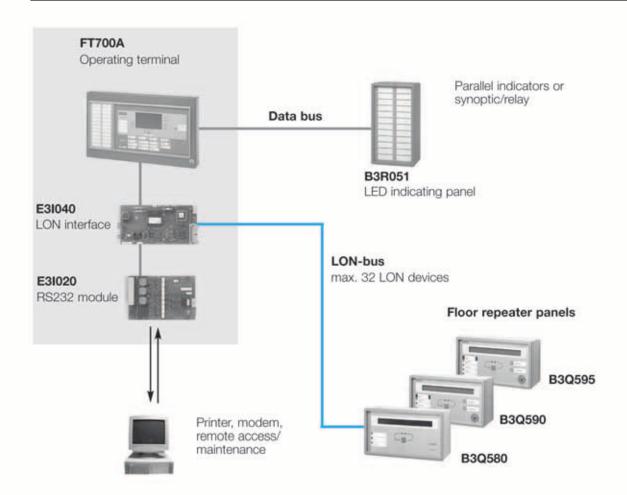
Networkable Fire Control Panels Networkable Panels Accessories FC700A



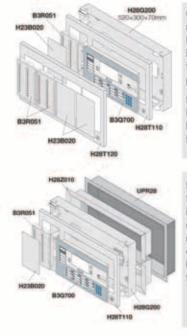
Туре			Order No.
H26T030	Plexiglas door The control terminals which are p a lockable Plexiglas door to preve	particularly exposed can be fitted with ent tampering with FC/FT700A.	BPZ:5705300001
235200	Key switch module	password, or as a lock for the Plexiglas	BPZ:5703490001
200	door for FC/FT700A.		
Z3B171	Relay module with 1 contact		BPZ:4843830001
	The relay module is an additiona by the fire control panel's contro	l fire event control module, activated l output.	
	Contact rating	250 VAC / 10 A	
	Delivery unit	10 pieces	
B3D021	Dual RS232 ITF box		BPZ:5052590001
	Interface between control unit of PC.	operating terminal and maintenance	
	Data sheet	001573	

7

Networkable Fire Control Panels Networkable Panels FT700A Expansion Overview



Mounting options for FT700A:

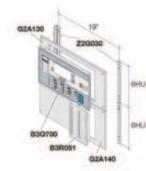


Control terminal **B3Q700** mounting in metal housing **H28G200** with door **H28T110** for parallel indicator panel **B3R051** or cover plate **H23B020**.

Parallel indicator panel B3R051 mounting in metal housing H28G200 with door H28T120.

Recess mounting of control terminal **B3Q700** and parallel indicator panel **B3R051** or cover plate **H23B020** in metal housing **H28G200** with door **H28T110** with recess box **UPR28** and recess frame **H28Z010**.





Control terminal B3Q700 mounting in plastic housing H26G220

Parallel indicator panel B3R051 mounting in plastic housing H23G230 (surface and recess).

Note: H26G220 housing does not accept E3I020 or E3I040 modules.

Control terminal **B3Q700** mounting in 19" housing with adapter plate **G2A130**.

Parallel indicator panel B3R051 mounting in 19" housing adapter plate G2A140.

Hinge **Z2G030** for mounting a 19" front panel so that it can be pivoted.

Networkable Fire Control Panels Networkable Panels FT700A Operating Terminal to FC700A



FT700A Operation	ng Terminal to FC700	A	
Туре			Order No.
FT700A	Comfort operating termina	l for fire detection system FC700A	FT700A
	sulting the main fire control	ss to the fire detection system without con- panel. It consists of the control terminal G220 or H28G200). Various options to T700A are available.	
	Data sheet	007830	
B3Q700	Comfort operating termina	l for fire detection system FC700A	A5Q00004719
	Functionally grouped, ergono ferent user access levels. Op for complete system operation connected to one fire detect	oft key guided system operation. omic operation and indication. Up to 9 dif- erating access via password or key switch on. Up to 15 operating terminals can be ion system. Integrated emergency func- dditional LED indicators, synoptic panels or e connected.	
	Operating voltage		
	Operating voltage Operating current	18 45 VDC max. 420 mA (with LCD backlight and lamp test)	
	Quiescent current	100 mA (without LCD backlight)	
	Operating temperature	0 +50 °C	
	Approval	VdS G204001	
	Options	FCAxxx Inscription stripes H26G220 Plastic housing H28G200 Metal housing base H28T110 Cover for metal housing H28T120 Cover for metal housing H23B020 Cover plate Z2G030 Hinge G2A130 Adapter plate 19"	
	Expansion	Z1B020 Mounting accessory E3I020 RS232 module E3I040 LON interface Z1B070 Mounting accessory G2A140 Adapter plate 19" B3R051 LED indicating panel Z3I530 Adapter flat cable -> termi- nals	
	Accessories	UPR28 Recess box H28Z010 Recess frame Z3I481 Cable set Z3S200 Key switch module H26T030 Plexiglas door B3D021 Dual RS232 ITF box	

Networkable Fire Control Panels Networkable Panels Options FT700A

Туре			Order No.
FCA725	Spanish inscription stripes for FC700A		A5Q00004833
FCA765	Dutch inscription stripes for FC700A		A5Q00012621
FCA775	Italian inscription stripes for FC700A		A5Q00004834
FCA785	Polish inscription stripes for FC700A		A5Q00004835
FCA835	Czech inscription stripes for FC700A		A5Q00012730
H26G220	Plastic housing Plastic housing base for operating terminals B3Q		BPZ:4628000001
E E	Dimensions (W x H x D) 36	6 x 219 x 76 mm ey, Pantone 421	
H28G200	Metal housing base		BPZ:4099440001
		20 x 300 x 70 mm ht grey, RAL 7035	
H28T110	Cover for metal housing H28G200 Cover with cutouts for operating terminal B3Q700 and LED indicating		BPZ:4749820001
	panel B3R051.	artz grey, RAL 7039	

Networkable Fire Control Panels Networkable Panels Options FT700A



Туре			Order No.
H28T120	Cover for metal housir	ng H28G200	BPZ:4749950001
	Cover with 4 cutouts for H23B020.	r LED indicating panel B3R051 or cover plate	
	Color	quartz grey, RAL 7039	
H23B020	Cover plate		BPZ:4762780001
	Metal plate to seal off the	ne unused cutouts for covers H28T110/120.	
	Color	quartz grey, RAL 7039	
Z2G030	Hinge Hinge to fix the front fr	ame G2F031 and the adapter plate G2A130,	BPZ:3781980001
	G2A140 onto a 19" rack		
	Dimensions (H)	6 HU	
G2A130	Adapter plate 19"		BPZ:4750880001
		the control terminal in a 19" cabinet. The hinge er plate to the 19" rack and can be ordered sep-	
	Dimensions (H)	19" / 6 HU	

Networkable Fire Control Panels Networkable Panels Expansion FT700A

Туре		Order No.
Z1B020	Mounting accessory for E3I020 Mounting accessory for E3I020 installation at the rear of the control ter- minal FT700A in H28G200 housing, or via card chassis as module in the control unit FC700A.	BPZ:4759070001
E31020	RS232 moduleLevel converter with electrical isolation and EMI protection. Two serial RS232 interfaces to connect a printer or other serial devices.Operating voltage5 V from CPU/B3Q via flat cable F20AQuiescent current25 mA (increase on 24 V side)	BPZ:4602390001
E31040	LON interface The I-bus/LON-bus converter card E3I040 is fitted directly within the FC700A panel, or with mounting accessory Z1B070 in H28G200 hous- ing for FT700A. Up to 32 LON-bus devices connectable. Monitored two-wire bus with- out loop line function. 20 20 20 20 20 20 20 20 20 20 20 20 20 2	BPZ:4993100001
218070	Mounting accessory To secure the LON interface module E3I040 in H28G200 housing.	A5Q00001720
G2A140	Adapter plate 19" Adapter plate to mount the LED indicating panel B3R051 in a 19" cabi- net. The hinge Z2G030 to fix the adapter plate to the 19" rack and can be ordered separately. Dimensions (H) 19" / 6 HU	BPZ:4842280001

Networkable Fire Control Panels Networkable Panels Expansion FT700A

Туре

B3R051

10	12-1
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-	E

Parallel indicator panel 2x24 LEDs

Events associated with fire zones or areas are clearly displayed using the B3R051 LED indicating panels. Colored LEDs show the state of the system at any time. Red indicates an alarm and yellow indicates a fault or zone isolation. B3R051 panels are connected to the LON-bus by means of K3I050 converters. Up to 24 LED indicating panels B3R051 displaying identical information may be connected to a single K3I050 converter. With the adapter Z3I530 the LED indicating panel B3R051 may be up to 1000 m from the LON converter K3I050 or from FC/FT700A panel.

For surface mounting use the H23G230. For flush mounting use the H23G230, H23U230 and H23Z230.

LED output	48 (24 x red and 24 x yellow)
Operating voltage	9 45 VDC
Quiescent current	40 mA
Alarm current	140 mA
Data sheet	007349

Z3I530



Adapter flat cable -> terminals

The adapter is used when the elements to be connected are in different housings, otherwise the F12A100 or F12A470 may be used. With the adapter Z3I530, the LED indicating panel B3R051 or the mimic display board K3R072 may be up to 1000 m from the LON converter K3I050 or from the panel FC330A.., FC/FT700A.



Order No.

BPZ:4905130001



7-17

Networkable Fire Control Panels Networkable Panels Accessories FT700A

Туре		Order No.
UPR28	Recess box For the recessed mounting of one housing H28G200.	BPZ:4304340001
State .	Dimensions (W x H x D) 560 x 340 x 100 mm	
H28Z010	Recess frame	BPZ:4105930001
	Metal frame to cover the gap between recess-mounted housing H28G200 and the wall.	
	Colorlight grey, RAL 7035Dimensions (W x H x D)560 x 340 x 100 mm	
Z3I481	Cable set	BPZ:4911850001
	Cable set for B3Q700 (FT700A) in H28G200 housing.	
Z3S200	Key switch module	BPZ:5703490001
80ª 1	For user access instead of using a password, or as a lock for the Plexiglas door for FC/FT700A.	5
H26T030	Plexiglas door	BPZ:5705300001
	The control terminals which are particularly exposed can be fitted with a lockable Plexiglas door to prevent tampering with FC/FT700A.	

Networkable Fire Control Panels Networkable Panels Accessories FT700A

Туре



Order No.

BPZ:5052590001

B3D021

Dual RS232 ITF box



Interface between control unit or operating terminal and maintenance PC.

Data sheet

001573

Synova[™] LON-bus

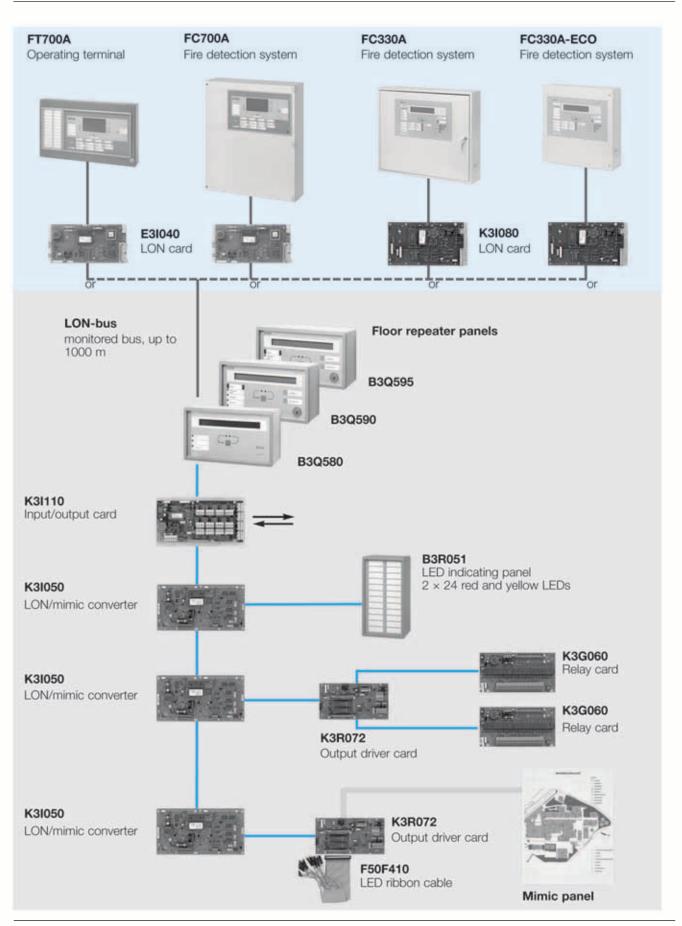


Everything at a glance. From any panel. With LON-bus.

The LON-bus provides secure data transmission between separate floor panels, floor repeater panels and the FC330A and FC700A fire control panels, providing flawless operation even in widely branched networks. It is therefore irrelevant which panel you are standing in front of or where the main control panel is located: You always have the latest information at your fingertips.



8



Туре			Order No.
			DD7 5047600004
K31080	application on serial ports, and is fi FC330A as an extension. The LO LEDs. Four different types of remo		BPZ:5047680001
	Supply voltage	5 VDC from K3X020/030	
E3I040	LON interface		BPZ:4993100001
	FC700A panel, or with mounting a ing for FT700A.	E3l040 is fitted directly within the accessory Z1B070 in H28G200 hous- table. Monitored two-wire bus with- 15 mA (without external 24 V load)	
B3Q580	Floor repeater panel		BPZ:4961770001
	Floor repeater panels display syste the panel. For example on another messages are indicated on all floo fire control panel. Floor repeater p All that is required is for an address repeater panels can be connected the K31080. Up to 32 floor repeater FC/FT700A fire control panel via th	r repeater panels and the Synova TM panels do not require configuration. ss to be locally set. Up to 16 floor to any FC330A fire control panel via er panels can be connected to any the E3I040. 8G230. For flush mounting use the	
	Data sheet	007349	
B3Q590	Floor repeater panel with control functions, Nordic access keyThe floor repeater panel B3Q590 is used both for the remote indication of messages and to provide control functions in the event of an alarm. B3Q590 is ideally suited as a mini control center at entrances. It enables the control panel to be reset to normal operation after an event, simply by pressing a button. Operation of the B3Q590 is enabled by means of a key switch. Floor repeater panels do not require configuration. All that is required is for an address to be locally set. Up to 16 floor repeater panels can be connected to any FC330A fire control panel via the K31080. Up to 32 floor repeater panels can be connected to any FC/FT700A fire control panel via the E31040.For surface mounting use the H23G230. For flush mounting use the H23G230, H23U230 and H23Z230.Operating voltage9 45 VDC		BPZ:4961800001
	Quiescent current Alarm current Dimensions (W x H x D) Data sheet	18 mA 185 mA 219 x 122 x 66 mm 007349	



Туре			Order No.
B3Q595	Floor repeater panel with contr	ol functions, Kaba access key	BPZ:5341100001
	The B3Q595 is a further development of the B3Q590 with the same features and advantages. Additionally, B3Q595 can be included within a like-keyed security concept. Floor repeater panels do not require con- figuration. All that is required is for an address to be locally set.		
- P	Operating voltage Quiescent current Alarm current Dimensions (W x H x D) Data sheet	9 45 VDC 18 mA 185 mA 219 x 122 x 66 mm 007349	
Z5B710	Inscription set 'Nordic' for B3Q580		BPZ:5104480001
	Slide-in inscription strips for Nordic countries (SE, NO, FI, DK).		
Z5B720	Inscription set 'Europe' for B3Q!		BPZ:5104510001
	Slide-in inscription strips for cent	ral Europe countries (GB, DE, FR, IT).	
Z5B730	Inscription set 'Nordic' for B3Q590/595		BPZ:5104640001
	Slide-in inscription strips for Nordic countries (SE, NO, FI, DK).		
Z5B740	Inscription set 'Europe' for B3Q590/95		BPZ:5104770001
	Slide-in inscription strips for central Europe countries (GB, DE, FR, IT).		
Z5B750	Inscription set 'CH' for B3Q590/95		BPZ:5105740001
	Slide-in inscription strips for Switzerland (CH-D, CH-I, CH-F).		
H23G230	Plastic housing		BPZ:4750910001
1 1	This housing is for the surface mo K3I110 etc.	ounting for B3R051, B3Q580/59x,	
i i i	Dimensions (W x H x D) Protection category	219 x 122 x 76 mm IP40	
H23U230	Recess box for H23G230		BPZ:5328790001
Street and the second second second	For the recessed mounting of one	e H23G230 housing.	
- Star	Dimensions (W x H x D)	245 x 158 x 77 mm	

Туре			Order No.
H23Z230	Flush mounting frame		BPZ:5328820001
	Metal frame to cover the gap bet H23G230 and the wall. Dimensions (W x H x D)	ween recess-mounted housing 259 x 162 x 1.5 mm	
	Dimensions (w x n x D)	259 X 102 X 1.5 IIIII	
K3I110	LON input/output card		BPZ:5288120001
	supervised on open circuit, short o outputs are triggered via potentia are fully programmable via PC. O 32 (FC700A) in-/output cards car	r the installation in the plastic housing	
	Contact rating (relay)	30 VDC / 1 A	
	Programmable relay output Operating voltage	16 9 45 VDC	
	Dimensions (W x H x D)	122 x 220 x 45 mm	
K3I050	LON/Mimic display converter		BPZ:4967660001
	The LON/Mimic display converter converts the LON-bus to data bus for mimic display drivers K3R072 or parallel indicator panels B3R051. On the LON-bus up to 16/32 LON/Mimic display converters K3I050 can be connected. Each can drive up to 2 x 24 LED indicating panels B3R051 or 2 x 24 output driver cards K3R072 on two different addresses. Connect- able via flat cable F12A100 (0.4 m) / F12A470 (1.5 m) or adapter Z3I530 for connection of data bus outside housing. Up to 24 units K3R072 or B3R051, with max. 8 addresses only. Max. length of connec- tion from K3I050 to the last device 1000 m. For the inputs key 'Buzzer off' and 'Lamp test', and the outputs 'Buzzer' and 'Operation LED', the cable set Z3I520 must be ordered. Can be mounted in the H23G230 housing by means of support plate Z3B230. Max. 16 units per FC330A, max. 32 units per FC700A.		
	Operating voltage	9 45 VDC	
	Quiescent current Alarm current	15 mA 30 mA	
	Buzzer output	max. 50 mA @ 22 VDC	
	Operating LED output Dimensions (W x H x D)	10 mA @ 3.3 VDC 105 x 200 x 45 mm	
Z3B230	Support plate set		BPZ:5590010001
	Support plate set for the installat accessories needed are included	ion of K3l050 in H23G230. All the in the set.	



		Order No.
housings, otherwise the F12A100 With the adapter Z3I530, the LED i display board K3R072 may be up	or F12A470 may be used. ndicating panel B3R051 or the mimic to 1000 m from the LON converter	BPZ:4849720001
LED indicating panels B3R051 or d on the distances to the elements t Z3I530 adapter may also be used.	river output card K3R072. Depending to be connected, the F12A470 or the The adapter Z3I530 is used when the	BPZ:4952750001
Flat cable micro 12 pin, 1.5 m As the F12A100 but different cabl Cable length	e length. 1.5 m	BPZ:4952880001
The cables connect buzzer inputs, ating LED etc. from cards (e.g. K310	buzzer outputs, lamp test keys, oper- 050, K3R072 etc.) to external devices.	BPZ:4849690001
mimic display panels. Connection wire, 24 red LEDs, cable length 1 r relay card K3G060 can be connect local 'Buzzer' and 2 inputs for 'Swi	to LED via flat cable F50F410 (50- n, must be ordered separately). The ed instead of LEDs. Control output for tch-off buzzer' and 'Lamp test'. Max.	BPZ:5286050001
	The adapter is used when the elem housings, otherwise the F12A100 With the adapter Z3I530, the LED i display board K3R072 may be up it K3I050 or from the panel FC330A Flat cable micro 12 pin, 0.4 m This cable connects the LON/Mimit LED indicating panels B3R051 or do on the distances to the elements of Z3I530 adapter may also be used. elements to be connected are in or Cable length Flat cable micro 12 pin, 1.5 m As the F12A100 but different cable Cable length Cable set, 12x2-core cables, 0.5 The cables connect buzzer inputs, ating LED etc. from cards (e.g. K3I0 Each of the 12 cables (2-core black priate plug. Delivery unit Cable length Mimic display board The K3R072 has 2x24 non-monitor mimic display panels. Connection wire, 24 red LEDs, cable length 1 r relay card K3G060 can be connected local Buzzer' and 2 inputs for 'Swi 24 units K3R072 or B3R051 (also r addresses. Operating voltage Quiescent current Alarm current Buzzer output Programmable LED output Key input (buzzer off, lamp test)	Provide the set of the elements to be connected are in different housings, otherwise the F12A100 or F12A470 may be used. With the adapter Z31530, the LED indicating panel B3R051 or the mimic display board K3R072 may be up to 1000 m from the LON converter K31050 or from the panel FC330A, FC/FT700A. Flat cable micro 12 pin, 0.4 m This cable connects the LON/Mimic display converter K31050 with the LED indicating panels B3R051 or driver output card K3R072. Depending on the distances to the elements to be connected, the F12A470 or the 231530 adapter may also be used. The adapter Z31530 is used when the elements to be connected are in different housings. Cable length 0.4 m Flat cable micro 12 pin, 1.5 m As the F12A100 but different cable length. Cable length 1.5 m Cable set, 12x2-core cables, 0.5 m The cables connect buzzer inputs, buzzer outputs, lamp test keys, operating LED etc. from cards (e.g. K31050, K3R072 etc.) to external devices. Each of the 12 cables (2-core black + red) is equipped with the appropriate plug. Delivery unit 12 pieces Cable length 0.5 m The K3R072 has 2x24 non-monitor outputs for LED activation for mimic display panels. Connection to LED via flat cable F50F410 (50-wire, 24 red LEDs, cable length 1 m, must be ordered separately). The relay card K3G050 can be connected instead of LEDs. Control output for oucput S0 with, 24 units K3R072 or B3R051 (also mixed) possible with max. 8 different addresses. Operating voltage 9 45 VDC

Туре			Order No.
F50F410	50-wire flat cable, with 24 re	d LEDs	BPZ:5291410001
	Two F50F410 LED cables can be connected directly to the mimic display board K3R072 to offer a total of 48 (2x24) red LEDs. The LEDs can be easily configured via the configuration tools SWE330A and SWE700A.		
	Cable length	1 m	
K3G060	Relay card, 24 NO contacts		BPZ:5287860001
	each K3R072. 24 volt-free rela	K3R072. 2 K3G060 can be connected to y-make contacts (contacts not moni- ually connected via jumper to externally	
	Operating voltage Quiescent current	9 45 VDC 6 mA	
	Alarm current Relay output (NO) Dimensions (W x H x D)	90 mA 24 x 30 VDC / 1 A 105 x 200 x 45 mm	
B3R051	Parallel indicator panel 2x24	LEDs	BPZ:4905130001
	the B3R051 LED indicating par system at any time. Red indica- or zone isolation. B3R051 pane means of K3I050 converters. L displaying identical informatio converter. With the adapter Z3 may be up to 1000 m from the FC/FT700A panel.	tes or areas are clearly displayed using tels. Colored LEDs show the state of the tes an alarm and yellow indicates a fault els are connected to the LON-bus by Up to 24 LED indicating panels B3R051 n may be connected to a single K3I050 il530 the LED indicating panel B3R051 e LON converter K3I050 or from H23G230. For flush mounting use the 230.	
	LED output	48 (24 x red and 24 x yellow)	
	Operating voltage Quiescent current	9 45 VDC 40 mA	
	Alarm current Data sheet	140 mA 007349	
H23G230	Plastic housing		BPZ:4750910001
1	This housing is for the surface K3l110 etc.	mounting for B3R051, B3Q580/59x,	
1	Cabinet dimensions (W x H x D Data sheet)	



Туре		Order No.
H23U230	Recess box for H23G230	BPZ:5328790001
	For the recessed mounting of one H23G230 housing.	
	Dimensions (W x H x D) 245 x 158 x 77 mm	
H23Z230	Flush mounting frame	BPZ:5328820001
	Metal frame to cover the gap between recess-mounted housing H23G230 and the wall.	
	Dimensions (W x H x D) 259 x 162 x 1.5 mm	



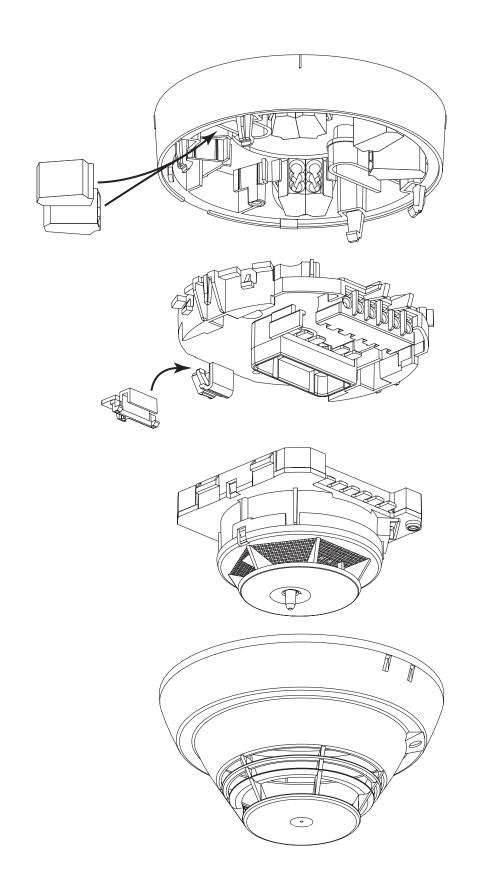
The first customizable fire detectors: a color for each taste.

Who says that fire detectors have to be white? Four models of Synova[™] come in the color of your choice, blending in perfectly with the surroundings. At last a fire detector you won't notice until things start to heat up.

Thanks to three patented Synova innovations, these detectors guarantee maximum detection levels with a minimum risk of false alarms. An asymmetrical labyrinth ensures unparalleled light absorption, largely ignoring dust and dirt in the optics area. In addition, a futuristic conical grid traps dust away from the heart of the optical chamber. Moreover, the detectors are as good as immune to mobile phones and fluorescent lighting because their EMC valves already exceed current standards.

- Four models: Synova[™] OP320 optical smoke detector, Synova OH320 multi-sensor smoke detector, Synova HI320 differential heat detector, and Synova HI322 heat detector
- Available for conventional and auto-addressing systems





Auto-addressable SynoLOOP Bus Elements **Automatic Detectors Detectors Synova 300 Series**

Туре

OP320A

Optical smoke detector

The OP320A is the absolute all-rounder in the Synova 300 range. It has a completely new patented optical system and the latest electronics. This opens up new dimensions with regard to safety and functionality. With the auto-addressable feature, no dip switch or punch card settings have to be made. The built-in isolator enables the fire control panel to localize short circuits and open lines during commissioning. The base SO320 must be ordered separately.

Operating voltage	16 28 VDC
Quiescent current	max. 200 μA
Operating temperature	-10 +55 °C
Protection category	IP44
Standard	EN54-7
Color	white, RAL 9010 (can be sprayed a different color)
Dimensions (Ø x H)	100 x 44 mm (incl. base)
Approval	VdS G298004, LPCB 531c/03
Delivery unit	2 pieces
Data sheet	006888

OH320A



The smoke detector OH320A is a sensitive and robust detector. It has a completely new and patented optical system, cleverly combined with a rate of rise heat detector utilizing latest electronics, to open up new dimensions in both safety and functionality. With the auto-addressable feature, no dip switch or punch card settings have to be made. The built-in isolator enables the fire control panel to localize short circuits and open lines during commissioning. The base SO320 must be ordered separately.

Smoke detector, analogue/addressable multi-sensor

Quiescent current	max. 200 μA	
Operating temperature	-10 +55 °C	
Protection category	IP44	
Standard	EN54-7	
Color	white, RAL 9010 (can be sprayed a different color)	
Dimensions (Ø x H)	100 x 52 mm (incl. base)	
Approval	VdS G298003, LPCB 531c/01	
Delivery unit	2 pieces	
Data sheet	006891	

BPZ:5081620001

BPZ:5081750001

Order No.

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Туре

HI320A



Heat detector (rate of rise and maximum)

The HI320A is an extremely reliable rate of rise and maximum temperature detector for demanding applications. It is characterized by a reliable response behavior, not only in the event of slow temperature rises, but also where the temperature rises are fast. With the auto-addressable feature, no dip switch or punch card settings have to be made. The built-in isolator enables the fire control panel to localize short circuits and open lines during commissioning. The base SO320 must be ordered separately.

Quiescent current max. 200 μA -10... +50 °C Operating temperature IP44 Protection category Standard EN54-5: A1R Color white, RAL 9010 (can be sprayed a different color) Dimensions (Ø x H) 100 x 36 mm (incl. base) VdS G298005, LPCB 531b/01 Approval Delivery unit 2 pieces Data sheet 006890

HI322A



Heat detector (maximum)

The HI322A is a reliable heat detector for locations with large fluctuations in temperature. It continuously measures the ambient temperature and reacts if there is a sustained increase above maximum values. With the auto-addressable feature, no dip switch or punch card settings have to be made. The built-in isolator enables the fire control panel to localize short circuits and open lines during commissioning. The base SO320 must be ordered separately.

Quiescent current	max. 200 μA
Operating temperature	-10 +50 °C
Protection category	IP44
Standard	EN54-5: A2
Color	white, RAL 9010 (can be sprayed a different color)
Dimensions (Ø x H)	100 x 36 mm (incl. base)
Approval	VdS G299025, LPCB 531b/02
Delivery unit	2 pieces
Data sheet	006889

SO320



Base for Synova 300 series detectors

Base made of impact, scratch-proof plastic and environmentally safe materials. The base is completely covered by the detector. It fits all Synova 300 series detectors, conventional and addressable. Standard click-concept, with screwless terminals for easy installation. Click-in connection for alarm indicators is standard on the base. Fits all standard flush mounting boxes from 55 to 80 mm.

Cable capacity Color Delivery unit Accessories

0.2... 1.5 mm² white, RAL 9010 6 pieces SOA322 Base attachment for surface mounting TP320 Detector locking device

BPZ:5085990001

BPZ:5316500001

Order No.

BPZ:5081880001

9

Туре Order No. Accessories SOA322 Base attachment for surface mounting BPZ:5358340001 Base attachment for feeding in surface wiring and to provide more wire space. It may also be used as a junction box where up to 30 wires can be connected. Up to 10 connection terminals DBZ1190-AB can be clicked into to the base attachment SOA322. The base SO320 is mounted using a spring-loaded catch. 100 x 20 mm Dimensions (Ø x H) Cable capacity 0.2... 2.5 mm² Color white, RAL 9010 Delivery unit 6 pieces Accessories DBZ1190-AB Connection terminal 2.5 mm² DBZ1190-AB Connection terminal 2.5 mm², 3-pole BPZ:4942340001 As cross-connection in bases for external alarm indicators (AI), cable shielding, for the connection of a power supply unit or other components. It can easily be inserted. 1... 2.5 mm² Cable capacity Delivery unit 50 pieces BPZ:5093100001 TP320 Detector locking device To protect the detector from theft. Mounts on the detector base SO320. Delivery unit 50 pieces



Туре

OP620A



Order No. BPZ:4860510001 Smoke detector, analogue/addressable wide spectrum The OP620A is the all-round fire detector for demanding applications. It has a completely new optical system and the latest electronics. This opens up new dimensions with regard to safety and functionality even under harsh climatic conditions. With the auto-addressable feature, no dip switch or punch card settings have to be made. The built-in isolator enables the fire control panel to localize short circuits and open lines during commissioning. The base SO620A must be ordered separately. Operating voltage 16... 28 VDC max. 200 μA Quiescent current -25... +60 °C Operating temperature Protection category IP44 Standard EN54-7 Color white, RAL 9010 Dimensions (Ø x H) 115 x 50 mm (incl. base SOA620A) Approval VdS G297014 Delivery unit 2 pieces Data sheet 001695 Smoke detector, analogue/addressable multi-sensor The smoke detector OH620A is a sensitive and robust detector. It is particularly suitable in environments with difficult conditions and high risk areas. The smart combination of optical and rate of rise heat characteristics opens up new dimensions with regard to safety and function. With the auto-addressable feature, no dip switch or punch card settings have to be made. The built-in isolator enables the fire control panel to localize short circuits and open lines during commissioning. The base SO620A must be ordered separately.

OH620A



Operating voltage	16 28 VDC
Quiescent current	max. 200 μA
Operating temperature	-25 +60 °C
Protection category	IP44
Standard	EN54-7
Color	white, RAL 9010
Dimensions (Ø x H)	115 x 50 mm (incl. base SOA620A)
Approval	VdS G297015
Delivery unit	2 pieces
Data sheet	001695

BPZ:4860480001

Туре

HI620A

Heat detector (rate of rise)

The HI620A is particularly suitable for rooms with unfavorable conditions (damp, dust, dirt etc.). It is characterized by reliable response behavior – only where there is a slow temperature rise but also where the rise is fast. With the auto-addressable feature, no dip switch or punch card settings have to be made. The built-in isolator enables the fire control panel to localize short circuits and open lines during commissioning. The base SO620A must be ordered separately.

Operating voltage	16 28 VDC
Quiescent current	max. 200 μA
Operating temperature	-25 +50 °C
Protection category	IP44
Standard	EN54-5: A1R
Color	white, RAL 9010
Dimensions (Ø x H)	115 x 53.5 mm (incl. base SOA620A)
Approval	VdS G297066
Delivery unit	2 pieces
Data sheet	001695

HI622A



Heat detector (rate of rise and maximum)

The HI622A is the first choice for rooms where there are large temperature fluctuations with high temperatures. It continuously measures the ambient temperature and reacts if defined maximum values are exceeded. This detector is prompt and reliable even under difficult climatic conditions. With the auto-addressable feature, no dip switch or punch card settings have to be made. The built-in isolator enables the fire control panel to localize short circuits and open lines during commissioning.

The base SO620A must be ordered separately.

Operating voltage	16 28 VDC
Quiescent current	max. 200 μA
Operating temperature	-25 +70 °C
Protection category	IP44
Standard	EN54-8: range 1
Color	white, RAL 9010
Dimensions (Ø x H)	115 x 53.5 mm (incl. base SO620A)
Approval	VdS G297073
Data sheet	001695

BPZ:5007750001

Order No.

BPZ:4860640001



Order No.

BPZ:4860800001

Type SO620A



Base for auto-addressable Synova 600 series detectors

Base made of impact, scratch-proof plastic and environmentally safe materials. Installed base is ready for line tests. With screwless terminals for easy installation. Click-in connection for response indicators is standard on the base. Designed to be mounted during cabling. Fits all standard flush-mounted boxes from 55 to 80 mm.

Cable capacity Dimensions (Ø x H) Protection category Color Data sheet Accessories 0.2... 2.5 mm² 115 x 21 mm IP44 white, RAL 9010 001035 DBZ1191 Base attachment for surface mounting DBZ1191A-AA Base attachment flat for surface mounting DBZ1192 Base attachment humid DBZ1192-AA Base attachment wet DBZ1195A Acoustic base DBC1191A-AA Relay base DBZ1190 Locking device DBZ1190A-AC Detector heating DBZ1193A Detector designation plate DBZ1193A-AA Detector marking DBZ1190-AB Connection terminal 2.5 mm² DBZ1190-AA Micro terminal 0.5 mm²

Accessories

DBZ1191

DBZ1191A-AA



Base attachment for surface mounting

For feeding in surface wiring and to provide more wire loop space. Bases are mounted using a spring-loaded catch.

Dimensions (Ø x H)	
Color	
Delivery unit	

Base attachment flat for surface mounting



For surface-mounted applications with cables up to Ø6 mm, and to use existing mounting holes of MS7/MS9 bases. Bases DB1101A and SO620A are mounted using a spring-loaded catch.

Dimensions (Ø x H) Color Delivery unit 116 x 11 mm white, RAL 9010 5 pieces

116 x 22 mm white, RAL 9010 5 pieces

BPZ:5011270001

BPZ:4540830001

9

Туре			Order No.
DBZ1192	Base attachment for humid environment		BPZ:4588140001
	For installation in damp and corrosive environments. M20 x 1.5 cable entries are located on the side of the base attachments for easy access.		
	Dimensions (W x H x D) Color Protection category Accessories	135 x 135 x 45 mm white, RAL 9010 IP44 DBZ1194 Protective cage A5Q00004478 Screwed cable gland	
DBZ1194	Protective cage	M20	BPZ:4677110001
		nage. Can only be used together with	
A5Q00004478	Screwed cable gland M20 x 1.5		A5Q00004478
	The screwed cable gland is for M2 ter IP protection.	20 cable feed-through. It enables bet-	
	Delivery unit	10 pieces	
DBZ1192-AA	Base attachment for wet environment		BPZ:5355590001
	As DBZ1192 but for IP55 protecti only.	on for heat detectors DT11xx / HI62x	
	Dimensions (W x H x D) Color Protection category Accessories	135 x 135 x 45 mm white, RAL 9010 IP55 A5Q00004478 Screwed cable gland M20	



DBZ1195A





The base DBZ1195A has an integrated base sounder. It is mainly used for hotel rooms or wherever it is sensible to have an acoustic warning when a detector is activated. The sounder is operated when the detector LED is lit. The base DB1101A or SO620A is mounted in the acoustic base using a spring-loaded catch.

Power supply

Sound level

Operating temperature Dimensions (Ø x H) Color Protection category Data sheet Accessories 15... 30 VDC max. 70 mA (pulsated) ≥75 dB / 1 m (without auxiliary supply) ≥85 dB / 1 m (with auxiliary supply) -10... +60 °C 128.5 x 32 mm (without detector) white, RAL 9010 IP44 001444 DBZ1190-AA Micro terminal 0.5 mm² DBZ1190-AB Connection terminal 2.5 mm²

DBC1191A-AA



Relay base

The base DBC1191A-AA has an integrated relay. It enables the connection of a simple fire control output facility. The contact is activated when the detector LED is lit. The base DB1101A or SO620A is mounted using a spring-loaded catch.

Operating voltage Operating current Quiescent current Relay output Operating temperature Dimensions (Ø x H) Color Protection category Data sheet Accessories external supply 10... 48 VDC 12... 24 mA 3.5... 7 mA 30 VDC / 1 A -10... +60 °C 128.5 x 32 mm (without detector) white, RAL 9010 IP44 001566 DBZ1190-AA Micro terminal 0.5 mm² DBZ1190-AB Connection terminal 2.5 mm²

DBZ1190-AA

Micro terminal 0.5 mm², 4-pole

As cross-connection in bases for external alarm indicators (AI), cable shielding, for the connection of a power supply unit or other components. It can easily be inserted.

Cable capacity Delivery unit 0.28... 0.5 mm² 50 pieces

BPZ:4677080001

BPZ:5017870001

Order No.

BPZ:4940140001

Туре			Order No.
DBZ1190-AB	Connection terminal 2.5 mm	² , 3-pole	BPZ:4942340001
	As cross-connection in bases for external alarm indicators (AI), cable shielding, for the connection of a power supply unit or other compo- nents. It can easily be inserted.		
	Cable capacity Delivery unit	1 2.5 mm ² 50 pieces	
DBZ1190	Locking device		BPZ:4585260001
	To protect the detector from t	heft.	
4	Delivery unit	50 pieces	
DBZ1190A-AC	Detector heating		BPZ:5167850001
	Allows the Synova 600 series smoke detectors to operate under critical environmental conditions, for example where there is a danger of icing, moisture or condensation, in refrigeration plants, cold storage rooms, attics, loading ramps etc. Fits in DB1101A and SO620A.		
	Operating voltage Operating current Operating temperature	20 30 VDC 35 55 mA -30 +40 ℃	
DBZ1193A	Detector designation plate		BPZ:4864330001
	To indicate location address. To number the detectors according to the installation drawings. The font may be up to 10 mm in an area of 60 x 20 mm. The detector designation plate is connected directly to the base (Synova TM) or base attachment (Synova TM , Sinteso TM).		
	Color	transparent	
	Delivery unit	10 pieces	
DBZ1193A-AA	Detector marking		BPZ:5009820001
	To indicate location of detecto	or with a separator.	
100	Color	transparent	
	Delivery unit	10 pieces	

Auto-addressable SynoLOOP Bus Elements Manual Call Points Manual Call Point DM1131



Туре			Order No.
DM1131	Auto-addressable manual c	all point	DM1131
A	Auto-addressable manual call point for the immediate triggering of alarm, complete with integral short circuit isolator. The glass panel has a specified breaking point and protective film. It consists of an electron- ic unit DMA1131 and choice of FDMH291-R, -Y, -G & -B red, yellow, green & blue housings.		
	Standard Protection category Operating temperature Dimensions (W x H x D) Approval Data sheet Accessories	EN54-11 IP44 -25 +70 °C 87 x 87 x 46.6 mm LPCB126W/04 007981 FDMC291 Protective cover A5Q00004478 Screwed cable gland M20 A5Q00004479 Back nut M20	
FDMH291-R	Housing red with key		A5Q00002217
	Housing with key for electror	nic unit.	
	Color	red, RAL 3000	
FDMH291-Y	Housing yellow with key		A5Q00004979
	Housing with key for electror	nic unit.	
	Color	yellow, RAL 1023	
FDMH291-G	Housing green with key		A5Q00004981
and the second se	Housing with key for electror	nic unit.	
Inters (A)	Color	green, RAL 6024	

Auto-addressable SynoLOOP Bus Elements Manual Call Points Manual Call Point DM1131

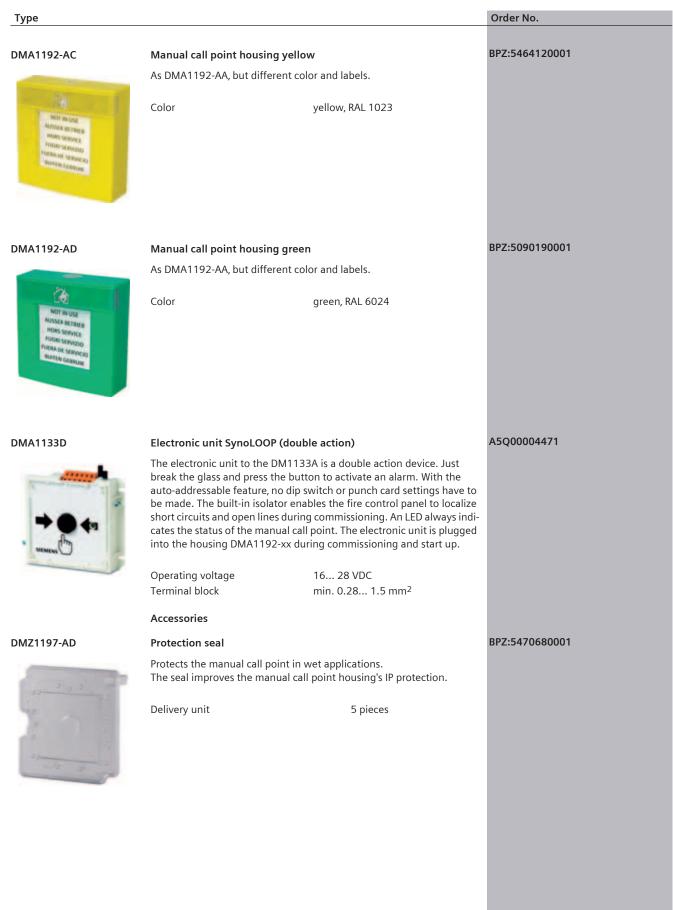
Туре			Order No.
FDMH291-B	Housing blue with key Housing with key for electronic unit.		A5Q00004980
A A A A A A A A A A A A A A A A A A A	Color	blue, RAL 5005	
DMA1131	Auto-addressable MCP switch	ing module	A5Q00005579
_i+•.+ Ì	Direct operation switch module for use within the FDMH291-x hous- ings. For connection to SynoLOOP auto-addressable detection lines. Complete with integral short circuit isolator. An integral LED provides visual indication of alarm. Provided complete with glass.		
	Operating voltage Terminal block	16 28 VDC min. 0.28 1.5 mm ²	
FDMC291	Accessories Protective cover The protective cover protects th glass break. For manual call poi Delivery unit	e manual call point from unintentional nt housings FDMH291-x. 5 pieces	A5Q00001644
A5Q00004478	Screwed cable gland M20 x 1.	5	A5Q00004478
		и20 cable feed-through. It enables bet-	13200001110
	Delivery unit	10 pieces	
A5Q00004479	Back nut M20		A5Q00004479
<u> </u>	Back nut to screwed cable gland	d M20 x 1.5.	
0	Delivery unit	100 pieces	

Auto-addressable SynoLOOP Bus Elements Manual Call Points Manual Call Point DM1133A



Туре			Order No.
DM1133A	Auto-addressable manual call point		DM1133A
18	The DM1133A is the best priced IP65 upgradable call point. The hous- ing is mounted during the installation work. The electronic unit can be plugged in just before the start up. It consists of a housing DMA1192-xx and the electronic unit DMA1133D.		
Comment	Standard Protection category Operating temperature Dimensions (W x H x D) Approval	EN 54-11 IP54 (IP65 with protection seal and screwed cable gland) -25 +70 °C 134 x 134 x 43 mm VdS G295030	
	Data sheet Accessories	007981 DMZ1197-AD Protection seal DMZ1197-AC Protective cover A5Q00004478 Screwed cable gland M20 A5Q00006735 Locking plug M20 (1 hole) A5Q00010055 Locking plug M20 (2 holes)	
DMA1192-AA	Manual call point housing red		BPZ:5222870001
Nort Hu Use Nort Hu Use Nassas ant The a Nassas samoan Useas as samoan Nasas as samoan Nasas as samoan Nasas as samoan Nasas as samoan	Manual call point housing for the DMA11x3. It can easily be upgraded to IP65 with a simple retrofit kit. It also features exchangeable labels to meet customer equirements. The plastic housing offers easy access to the electronic unit for functional tests and maintenance through the front door. The housing can be pre-installed to save time and money during installation. The separately ordered electronic unit is plugged in during commissioning. The access key for the manual call point is included in the package as well as different labels.		
	Color	red, RAL 3000	
DMA1192-AB	Manual call point housing blue		BPZ:5464250001
-	As DMA1192-AA, but different col	or and labels.	
AUT IN USE MUSIS MITTAR MUSIS MITTAR MUSIS MITTAR MUSIS MITTAR MITTAR GAMMAN	Color	blue, RAL 5005	

Auto-addressable SynoLOOP Bus Elements Manual Call Points Manual Call Point DM1133A



Auto-addressable SynoLOOP Bus Elements Manual Call Points Manual Call Point DM1133A



Туре			Order No.
DMZ1197-AC	Protective cover		BPZ:5223550001
6	Protects the manual call point from unintentional glass break. Protec- tive cover can be easily fitted directly in the housing cover.		
	Delivery unit	5 pieces	
A5Q00004478	Screwed cable gland M20 x 1.	5	A5Q00004478
	The screwed cable gland is for N ter IP protection.	120 cable feed-through. It enables bet-	
	Delivery unit	10 pieces	
A5Q00006735	Locking plug M20 x 1.5 (1 hole) For the manual call point housings, surface-mounted feed lines. For applications in dry rooms.		A5Q00006735
	Color	red, RAL 3000	
	Delivery unit	10 pieces	
A5Q00010055	Locking plug M20 x 1.5 (2 holes) For the manual call point housings, surface-mounted feed lines. For applications in dry rooms.		A5Q00010055
	Color	red, RAL 3000	
	Delivery unit	10 pieces	

Auto-addressable SynoLOOP Bus Elements **Alarm Indicators AI Series**

Туре AI300

AI340

Alarm indicator (frame mounting)

The AI300 alarm indicators are the visual parallel indications for fire detectors used on the SynoLINE600 detector line and SynoLOOP detector bus. They are provided with a dark red luminous element, fitted with LEDs. The AI300 is suitable for door frames.

Operating voltage	5 8 VDC
Operating current	max. 35 mA
Cable capacity	max. 1.5 mm ²
Operating temperature	-25 +80 °C
Protection category	IP40
Dimensions (W x H x D)	62 x 37 x 17 mm
Color	white, RAL 9010
Data sheet	007162

Alarm indicator (surface mounting)

The AI340 alarm indicators are the visual parallel indications for fire detectors used on the SynoLINE600 detector line and SynoLOOP detector bus. They are provided with a dark red luminous element, fitted with LEDs. The AI340 is suitable for surface wall mounting.

Operating voltage	5 8 VDC
Operating current	max. 35 mA
Cable capacity	max. 1.5 mm ²
Operating temperature	-25 +80 °C
Protection category	IP40
Dimensions (W x H x D)	85 x 85 x 25 mm
Color	white, RAL 9010
Data sheet	007162
Accessories	AI330 Adapter frame

Accessories

Adapter frame for alarm indicator

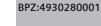
By means of the additional frame, the alarm indicator can also be used for surface laid conduits or ducts, to increase the loop space and as an adapter for different makes of the box.

Dimensions ($W \times H \times D$) Delivery unit

85 x 85 x 16 mm 10 pieces

BPZ:4930440001

BPZ:3169430001



Order No.



AI330



Auto-addressable SynoLOOP Bus Elements I/O-Modules Input Modules



Order No. Туре BPZ:5311420001 EB322A Auto-addressable input module On the SynoLOOP detector bus, the EB322A input module enables danger messages to be transmitted from sprinkler contacts or locally-provided manual call points with a voltage-free contact. Any short circuit on the detector bus is immediately located from the fire control panel, and the defective cable is automatically isolated between two modules. The ring-connection design of the SynoLOOP ensures optimum safety. For test purposes, a button on the circuit board can be used to activate a danger report. The input module is the simple and more favorably priced version which can be quickly installed on a U-rail TS35. The DCA1191 protective housing makes it more robust and suitable for use in harsh environments. Cable capacity 0.2... 1.5 mm² (AWG24... 16) Operating temperature -10... +60 °C Dimensions (W x H x D) 97 x 88 x 22 mm Color white, RAL 9010/transparent VdS G299033, LPCB 126p/01 Approval IP30 Protection category Data sheet 007108 Accessories DCZ1190-AA Mounting plate TS35 U-rail DCA1191 Housing (IP56) Accessories BPZ:5226270001 DCZ1190-AA Mounting plate for input/output modules Snap-in mounting plate to connect the input/output modules to an Urail TS35. Dimensions ($W \times H \times D$) 111 x 11.5 x 71.5 mm Delivery unit 10 pieces TS35_122 U-rail TS35/7.5/122 BPZ:5644780001 Universal mounting rail (U-rail) enables mounting of various equipment. Dimensions (W x H) 35 x 122 mm BPZ:4588560001 DCA1191 Housing (empty) Housing with cover for several applications. The housing offers six M20 cable feed-throughs for screwed cable glands and offers a better IP protection. The screwed cable gland must be ordered separately. Dimensions (W x H x D) 135 x 135 x 65 mm Color pure white, RAL 9010 Protection category IP56 A5Q00004478 Screwed cable gland Accessories M20

Auto-addressable SynoLOOP Bus Elements I/O-Modules Input Modules

Туре			Order No.
CB320A	Auto-addressable input mod The CB320A input module is u	l ule for SynoLINE300 Ised in the SynoLOOP fire detection sys-	CB320A
	tem for the decentralized sele address. Connection of up to 3	ction of fire detectors with a collective 32 fire alarms with a collective address. e electronic unit CBS320A must be	
	Approval Data sheet	VdS G299104, LPCB 126t/02 006893	
CBG320A	Housing for input module CE	3320A	BPZ:5305250001
	harsh environments. The hous	OOP conventional line input module for ing can be pre-installed to save time and e housing offers six M20 cable feed- included in the package.	
	Cable capacity	0.2 2.5 mm ² (AWG24 14)	
-	Dimensions (W x H x D)	135 x 135 x 65 mm	
	Color Protection category	white, RAL 9010 IP56	
	Accessories	A5Q00004478 Screwed cable gland	
		M20 DBZ1190-AA Micro terminal 0.5 mm ²	
CBS320A	Electronic unit for input mod	dule CB320A	BPZ:5305120001
	Electronic unit for the CB320A input module is used in the SynoLOOP fire detection system for the decentralized connection of conventional fire detectors on one address. The module enables the use of conventional detection lines such as SynoLINE300 with all its detectors and manual call points. The built-in isolator enables the fire control panel to localize short circuits and open lines. With the auto-addressable feature, no dip switch or punch card settings have to be made. The electronic unit is plugged into the housing just before commissioning.		
	Operating voltage	18 32 VDC	
	Quiescent current	≤50 mA	
	Operating current	≤160 mA	
	Operating temperature Conventional line voltage	-25 +70 °C 18 22 VDC	
	Conventional line current	max. 12 mA	
	Accessories		
	Screwed cable gland M20 x ²	1.5	A5Q00004478
A5Q00004478	The screwed cable gland is for ter IP protection.	M20 cable feed-through. It enables bet-	
	Delivery unit	10 pieces	



Туре			Order No.
DBZ1190-AA	Micro terminal 0.5 mm	² , 4-pole	BPZ:4677080001
	As cross-connection in bases for external alarm indicators (AI), cable shielding, for the connection of a power supply unit or other compo- nents. It can easily be inserted.		
	Cable capacity	0.28 0.5 mm ²	
	Delivery unit	50 pieces	

Auto-addressable SynoLOOP Bus Elements I/O-Modules Output Module

Туре			Order No.
AB322A	Auto-addressable output m	odule	BPZ:5311550001
A REAL PROPERTY OF	doors, fans, air conditioning s be used to switch the externa event. Any short circuit on the the fire control panel, and the between two modules. The lo ensures optimum safety. The output module is the sim which can be quickly installed	allows decentralized activation of fire ystems, lift control systems etc. They can al equipment on or off in case of a fire e detector bus is immediately located from e defective cable is automatically isolated pop-connection design of the SynoLOOP ple and more favorably priced version d on a U-rail TS35. sing makes it more robust and suitable for	
	Relay output (volt-free) Cable capacity Operating temperature Dimensions (W x H x D) Color Approval Protection category Data sheet Accessories	1 x 30 VAC/DC, 1 A 0.2 1.5 mm ² (AWG24 16) -10 +60 °C 97 x 88 x 22 mm white, RAL 9010, transparent VdS G299033, LPCB 126p/02 IP30 007097 DCZ1190-AA Mounting plate TS35 U-rail DCA1191 Housing (IP56)	
	Accessories	Dertitor Housing (HSO)	
DCZ1190-AA	Mounting plate for input/ou	Itput modules	BPZ:5226270001
	Snap-in mounting plate to co rail TS35. Dimensions (W x H x D) Delivery unit	nnect the input/output modules to an U- 111 x 11.5 x 71.5 mm 10 pieces	
TS35_122	U-rail TS35/7.5/122	il) enables mounting of various equip-	BPZ:5644780001
	ment.	in chaptes mounting of various equip	
	Dimensions (W x H)	35 x 122 mm	
DCA1191	Housing (empty)		BPZ:4588560001
		l applications. The housing offers six M20 ved cable glands and offers a better IP pro- st be ordered separately. 135 x 135 x 65 mm pure white, RAL 9010 IP56 A5Q00004478 Screwed cable gland M20	



Туре			Order No.
A5Q00004478	Screwed cable gland M	И20 x 1.5	A5Q00004478
	The screwed cable gland is for M20 cable feed-through. It enables bet- ter IP protection.		
	Delivery unit	10 pieces	

Auto-addressable SynoLOOP Bus Elements I/O-Modules Input/Output Modules

Туре			Order No.
ABI322A	Auto-addressable input/out	-	BPZ:5311680001
	decentralized activation of fir controls etc. The signal input ble via the fire detection cont line is located by the control u A loop line ensures optimal s The input/output module is t sion which can be quickly ins	he simple and more favorably priced ver-	
	Relay output (volt-free)	1 x 30 VAC / DC, 1 A	
	Cable capacity Operating temperature	0.2 1.5 mm ² (AWG24 16) -10 +60 °C	
	Dimensions (W x H x D)	97 x 88 x 22 mm	
	Color	white, RAL 9010, transparent VdS G299033, LPCB 126p/03	
	Approval Protection category	IP30	
	Data sheet	007100	
	Accessories	DCZ1190-AA Mounting plate TS35 U-rail DCA1191 Housing (IP56)	
	Accessories		
DCZ1190-AA	Mounting plate for input/output modules		BPZ:5226270001
-	Snap-in mounting plate to connect the input/output modules to an U-rail TS35.		
	Dimensions (W x H x D) Delivery unit	111 x 11.5 x 71.5 mm 10 pieces	
TS35_122	U-rail TS35/7.5/122		BPZ:5644780001
	Universal mounting rail (U-ra ment.	il) enables mounting of various equip-	
	Dimensions (W x H)	35 x 122 mm	
DCA1191	Housing (empty)		BPZ:4588560001
	Housing with cover for several applications. The housing offers six M20 cable feed-throughs for screwed cable glands and offers a better IP pro- tection.		
	The screwed cable gland mu	st be ordered separately.	
	Dimensions (W x H x D)	135 x 135 x 65 mm	
	Color	pure white, RAL 9010	
	Protection category	IP56	
	Accessories	A5Q00004478 Screwed cable gland M20	

Auto-addressable SynoLOOP Bus Elements I/O-Modules Input/Output Modules



Order No. Туре A5Q00004478 A5Q00004478 Screwed cable gland M20 x 1.5 The screwed cable gland is for M20 cable feed-through. It enables better IP protection. Delivery unit 10 pieces ABI320A ABI320A Auto-addressable input/output module Input/output module with a volt-free changeover contact provides decentralized activation of fire doors, ventilators, air conditioning, lift controls etc. The signal input for status or alarm messages is configurable via the fire detection control unit. Any short circuit on the detection line is located by the control unit and the defective component isolated. A loop line ensures optimal security. The housing ABIG320A and the electronic unit ABIS320A must be ordered separately. 007100 Data sheet ABIG320A Housing with terminal base for ABI320A input/output module BPZ:5169500001 Housing for the ABI320A SynoLOOP input/output module for harsh environments. The housing can be pre-installed to save time and money during installation. The housing offers six M20 cable feed-throughs. The terminal base is included in the packaging. 0.2... 2.5 mm² (AWG24... 14) Cable capacity Dimensions (W x H x D) 135 x 135 x 65 mm Color white, RAL 9010 Protection category IP56 Accessories A5Q00004478 Screwed cable gland M20 DBZ1190-AA Micro terminal 0.5 mm² ABIS320A Electronic unit to ABI320A input/output module BPZ:5169180001 Electronic unit for the ABI320A SynoLOOP input/output module to switch high voltage and get a confirmation of the new status. Syno-LOOP input/output modules enable decentralized control of external equipment and at the same time provide a feedback to the control panel using the existing SynoLOOP detector bus. The input and output have two different, independent addresses assigned. The built-in isolator enables the fire control panel to localize short circuits and open lines. With the auto-addressable feature, no dip switch or punch card settings have to be made. The electronic unit is only plugged into the housing shortly before commissioning. Relay output (volt-free) 1 x 240 VAC / 4 A or 125 VDC / 4 A (max. 150 W) Operating temperature -25... +70 °C Accessories A5Q00004478 Screwed cable gland M20 x 1.5 A5000004478 The screwed cable gland is for M20 cable feed-through. It enables better IP protection. Delivery unit 10 pieces

Туре			Order No.
DBZ1190-AA	Micro terminal 0.5 mm ² , 4-	pole	BPZ:4677080001
	As cross-connection in bases	for external alarm indicators (AI), cable of a power supply unit or other compo-	
	Cable capacity Delivery unit	0.28 0.5 mm ² 50 pieces	
DC1192	,	piccus	DC1192
	devices, of up to 25 fire deter (SynoLINE600) or for galvani between control unit and e.g tors for explosion-hazard are	c isolation (detection line coupler) . shunt Zener diode barrier with fire dete as (via SB3). rrminal base DCB1192A and the electron	ec-
	Operating temperature Protection category Approval Data sheet	-25 +70 °C IP56 VdS G298021, LPCB 126m/04 001571	
DCA1191	Housing (empty)		BPZ:4588560001
		al applications. The housing offers six M2 ved cable glands and offers a better IP pr st be ordered separately.	
	Dimensions (W x H x D)	135 x 135 x 65 mm	
	Color	pure white, RAL 9010 IP56	
	Protection category Accessories	A5Q00004478 Screwed cable glar M20	nd
DCB1192A	Terminal base for DC1192		BPZ:5084500001
Cing- 10	DC1192. The terminal base ca	to-addressable input/output module an be pre-installed together with the hou ad money during installation.	JS-
	Cable capacity	0.2 2.5 mm ² / AWG 24 14	
- I SHIT	Accessories	DBZ1190-AA Micro terminal 0.5 mm ²	

Auto-addressable SynoLOOP Bus Elements I/O-Modules Input/Output Modules



Туре			Order No.
DCA1192A	LOOP fire detection system for the detectors with a collective address enables the fire control panel to lo With the auto-addressable feature	output module is used in the Syno-	BPZ:5081200001
		external 18 32 VDC ≤45 mA control line max. 2 A, 60 W 18 22 VDC max. 5 mA	
A5Q00004478	Screwed cable gland M20 x 1.5 The screwed cable gland is for M2 ter IP protection.	0 cable feed-through. It enables bet-	A5Q00004478
	Delivery unit	10 pieces	
DBZ1190-AA	Micro terminal 0.5 mm ² , 4-pole		BPZ:4677080001
a la		xternal alarm indicators (AI), cable power supply unit or other compo-	
	Cable capacity Delivery unit	0.28 0.5 mm ² 50 pieces	

Special Equipment



Catching on like wildfire: Synova™ products and components.

Fire and security products from Siemens are the obvious choice because they are continually setting new standards in terms of quality, design, reliability, value for money and availability. For more than fifty years now we have been developing solutions for all types of problems, applications and needs, from fire and gas detection through to alert and evacuation systems, consisting of everything from simple conventional systems to complex analog networks. Over the years, our products and components have passed every test to which they have been subjected with flying colors.

FDBZ292	Air duct sampling chamber		BPZ:4926500001
	tem where air flow measuring de there is no air vortex, change of c ing or duct extensions. The dista must have 5 x the duct diameter	or collective device.	
	Smoke detector	FD0241, FD00T241-8, FD00T241-	
	Detector base	9, DO1103A, DO1104A, DO1133A FDB201, FDB201-AA, FDB221, FDB221-AA, DB1101A, SO620A	
	Min. duct diameter	100 mm	
	Permissible air speed	1 20 m/s	
	Airflow indicator	≥1 m/s	
	Ambient temperature	-20 +50 °C	
	Protection category	IP54	
	Relative humidity	<95 %	
	Approval	VdS pending with smoke detector DO1104A, FDOOT241-8, FDOOT241-9	
	Dimensions (W x H x D)	146 x 235 x 183 mm	
	Color	grey, RAL 7001	
	Data sheet	009728	
	Accessories	FDBZ292-AA Air flow tube, L = 0.6 m FDBZ292-AB Air flow tube, L = 1.5 m FDBZ292-AC Air flow tube, L = 2.8 m FDBZ292-AF Mounting bracket FDBZ292-AD Sealing kit DBZ1190-AB Connection terminal 1 2.5 mm ²	
DO1103A	Smoke detector, collective wide	e spectrum for SynoLINE600	BPZ:4945800001
	Automatic fire detector with con for use in air sampling smoke det The base DB1101A must be orde		
	Operating voltage	16 24 VDC	
	Quiescent current	max. 100 μA	
Hillinnilli" .	Operating temperature	-25 +60 °C	
- CILLER -	Sensitivity	typ. 1.1 %/m	
	Protection category	IP44	
	Dimensions (Ø x H)	115 x 51 mm (incl. base)	
	Color	white, RAL 9010	
	Data sheet	001578	





10-1

Order No.

Туре			Order No.
DO1104A	Smoke detector, collective	wide spectrum for SynoLINE600	BPZ:5090640001
	Automatic fire detector with higher response sensitivity for the early warning of smoke-forming, flaming fires and smoldering fires. For applications in hospital rooms, archives, museums etc. The base DB1101A must be ordered separately.		
	Operating voltage	16 24 VDC	
	Quiescent current	max. 100 μA	
	Operating temperature	-25 +60 °C	
	Sensitivity	typ. 1.8 %/m	
	Protection category	IP44	
	Color	white, RAL 9010	
	Dimensions (Ø x H)	115 x 51mm (incl. base)	
	Standard Approval	EN54-7 VdS G297038	
	Data sheet	001578	
	Data sheet	001370	
DB1101A	Base for collective detector	series	BPZ:4863650001
	safe materials. Integral rubbe and dripping water from abo tion. Space for auxiliary term	atch-proof plastic and environmentally er gasket to protect against draught, dirt ve. Screwless terminals for easy installa- inals as micro terminals (0.5 mm ²) and n ²). Fits all standard flush-mounted boxes	
	Cable capacity	0.2 2.5 mm ²	
	Dimensions (Ø x H)	115 x 21 mm	
	Protection category	IP44	
	Color	white, RAL 9010	
	Data sheet	001035	
DO1133A	Smoke detector, AnalogPLU	IS/SynoLOOP wide spectrum	BPZ:5016480001
	smoke detection systems. Wi switch or punch card setting:	ncreased sensitivity for use in air sampling th the auto-addressable feature, no dip s have to be made. The built-in isolator I to localize short circuits and open lines dered separately.	
All Hun .	Operating voltage	16 28 VDC	
	Quiescent current	max. 200 μA	
	Operating temperature	-10 +60 °C	
	Sensitivity	1.1 %/m (increased sensitivity	
		0.5 %/m)	
	Protection category Dimensions (Ø x H)	IP44 115 x 51mm (incl. base)	
	Color	white, RAL 9010	
	Data sheet	001331	



ASD-DUCL			
Туре			Order No.
SO620A	Base made of impact, scratch materials. Installed base is re for easy installation. Click-in	Synova 600 series detectors n-proof plastic and environmentally safe ady for line tests. With screwless terminals connection for response indicators is ned to be mounted during cabling. Fits all tes from 55 to 80 mm. 0.2 2.5 mm ² 115 x 21 mm IP44 white, RAL 9010 001035	BPZ:4860800001
FDBZ292-AA	Accessories		A5Q00021363
		ed through a hole drilled into the duct and diameter of the duct.	
	Length	0.6 m	
FDBZ292-AB	Air flow tube 1.5 m As FDBZ292-AA but differen ⁻ Length	t length. 1.5 m	A5Q00021364
FDBZ292-AC	Air flow tube 2.8 m As FDBZ292-AA but differen	t length.	A5Q00021366
10		tiongui.	
5	Length	2.8 m	

Туре		Order No.
FDBZ292-AD	Sealing kit for air flow tubes The sealing kit is necessary for applications using the mounting bracket and the air flow tubes longer than 1 m.	A5Q00021367
FDBZ292-AF	Mounting bracket is used for uneven, round, rectangular and insulated ducts.	A5Q00021369
DBZ1190-AB	Connection terminal 2.5 mm², 3-poleAs cross-connection in bases for external alarm indicators (AI), cable shielding, for the connection of a power supply unit or other compo- nents.It can easily be inserted.Cable capacity1 2.5 mm² 50 piecesDelivery unit50 pieces	BPZ:4942340001

Special Equipment Infrared Flame Detectors



Special Equipment Infrared Flame Detectors

Туре			Order No.
DFB1190	Base for infrared flame dete	ctor	BPZ:5165360001
C Real	The base comprises a robust, glass fiber-reinforced, plastic housing which provides the required isolated installation of the detector. The base contains screwless terminals, chokes to protect against EMI, a plug attachment for the detector, six M20 cable entry possibilities. Cable capacity 0.2 1.5 mm ² (AWG24 15)		
	Dimensions (W x H x D)	135 x 135 x 45 mm	
	Color Accessories	white, RAL 9010 A5Q00004478 Screwed cable gland M20	
DFB1190-AA	Base for SynoLINE300		BPZ:5227400001
	As DFB1190 but for the current limited detection line SynoLINE300 with resistor 300 $\Omega.$		
Enterna /	Cable capacity	0.2 1.5 mm ² (AWG24 15)	
	Dimensions (W x H x D) Color	135 x 135 x 45 mm white, RAL 9010	
	Accessories	A5Q00004478 Screwed cable gland M20	
A5Q00004478	Screwed cable gland M20 x	1.5	A5Q00004478
	The screwed cable gland is for M20 cable feed-through. It enables bet- ter IP protection.		
	Delivery unit	10 pieces	
	Accessories		
DFZ1190	Rain hood		BPZ:5302660001
	Rain hood for the infrared flame detector for outdoor applications.		
	Dimensions (W x H x D)	150 x 165 x 130 mm	
MV1	Mounting bracket		BPZ:3950450001
	The mounting bracket for volumetric surveillance, fixes the infrared flame detector at the right angle.		
	Dimensions (W x H x D)	136 x 120 x 120 mm	

Special Equipment Infrared Flame Detectors



10

Туре		Order No.
MWV1	Ball and socket jointBall and socket joint for the infrared flame detector for the orientation to a defined object.Dimensions (H x W x D)120 x 164 x 118 mm	BPZ:3674840001
LE3	Test lamp for flame detectorsThe test lamp is used for testing the operation of all flame detectors (non explosion-hazard areas). It is supplied with all the necessary accessories in a suitable carrying case (incl. charger, without battery). The carrying case also provides a means of storing the test lamp free of dust.The battery AX1204 must be ordered separately.Operating temperature Battery capacity-25 +45 °CBattery capacity1 x 12 V / 7.2 AhData sheet	BPZ:3669510001

Special Equipment Linear Smoke Detector

Туре			Order No.
<u></u>			
DLO1191	Linear smoke detector		DL01191
	The DLO1191 is ideal to monitor large areas (detection distance 5 100 m). Easy wiring to only one side is needed. The DLO1191 consists of a detector DLA1191A and the base DLB1191A as well as a simple reflector or a sophisticated prism on the opposite side DLR119x. It is the ideal solution for monitoring large store rooms and production work- shops, areas with complex roof structures or historically valuable ceil- ings, covered courtyards, atrium-type buildings and reception halls. The detector unit and the base must be ordered separately.		
	Operating temperature Dimensions (W x H x D) Color Protection category Standard Approval Data sheet	-25 +60 °C 135 x 135 x 115 mm white, RAL 9010 IP65 EN54-12 VdS G296032, LPCB 126ak/01 001270	
DLA1191A	Linear smoke detector unit	Linear smoke detector unit	
	The detector consists of a light emitter and a light receiver. The light emitter emits a bundled infrared ray, which is scattered back by the prism-shaped reflector to the light emitter. The receiver converts the received infrared signal in an electric signal, which is evaluated by the microprocessor-controlled electronics. It mounts on DLB1191A and needs only a prism or reflector on the opposite side of the monitored area. For commissioning of the DLO, the adjustment set FDLU291 gives you all information you need to get a strong signal from the reflector or prism.		
	Dimensions (W x H x D) Accessories	135 x 135 x 70 mm DLR1191 Reflector for long distance DLR1192 Reflector for middle dis- tance DLF1193 Reflector for short dis- tance DLF1191-AA Short distance filter for 7 10 m DLF1191-AB Short distance filter for 5 8 m DLF1191-AC Extraneous light filter DLH1191A Detector heating FDLU291 Adjustment device	
DLB1191A	Base for linear smoke detector unit DLA1191A		BPZ:4692010001
	The base comprises a robust, glass fiber-reinforced, plastic housing which provides the required isolated installation of the detector. The base contains screwless terminals, chokes to protect against EMI, a plug attachment for the detector, six M20 cable entry possibilities.		
	Cable capacity Dimensions (W x H x D) Accessories	0.2 1.5 mm ² (AWG24 15) 135 x 135 x 45 mm A5Q00004478 Screwed cable gland M20	

Туре			Order No.
	Accessories		
DLR1191	Reflector for long distance (prisi	m)	BPZ:4787710001
	Retro-reflectors are characterized by the fact that an impinging light ray is reflected in parallel. The reflector need not necessarily be mounted at a right angle to the light ray. Vibrations and distortions on the wall where the reflector is mounted do not cause any disturbances either. Another advantage lies in the fact that possibly interfering light is also reflected in itself and can thus not reach the receiver. The retro-reflecting prism has the shape of an even pyramid, the lateral surfaces of which are made up from isosceles, right-angled triangles. Light rays coming in through the base surface are completely reflected by the lateral surfaces and are then scattered back through the base. For distances of 20 100 m.		
	Detector heating	equipped, external power supply 24 VDC is required	
	Dimensions (W x H x D)	135 x 135 x 65 mm	
	Color	pure white, RAL 9010	
	Accessories	A5Q00004478 Screwed cable gland M20	
A5Q00004478	Screwed cable gland M20 x 1.5		A5Q00004478
	The screwed cable gland is for M20 cable feed-through. It enables bet- ter IP protection.		
	Delivery unit	10 pieces	
DLR1192	Reflector for middle distance (foil)		BPZ:4788490001
	The foil consists of micro-prismatic elements, which are formed in a transparent, synthetic resin, sealed and mounted on a plastic base. The reflector foil has the same principal effect (function) as the prism. For distances of 30 65 m.		
	Dimensions (W x H x D)	200 x 200 x 2.5 mm	
DLR1193	Reflector for short distance (foil)		BPZ:4787840001
	The foil consists of micro-prismatic elements, which are formed in a transparent, synthetic resin, sealed and mounted on a plastic base. The reflector foil has the same principal effect (function) as the prism. For distances of 10 30 m.		
	Dimensions (W x H x D)	100 x 100 x 2.5 mm	
DLF1191-AA	Filter for short distances (7 10	m)	BPZ:4933030001
	tance filter is required. The filter a	d 10 meters, an additional short dis- ttenuates the detector signal over iserted directly into the detector unit.	

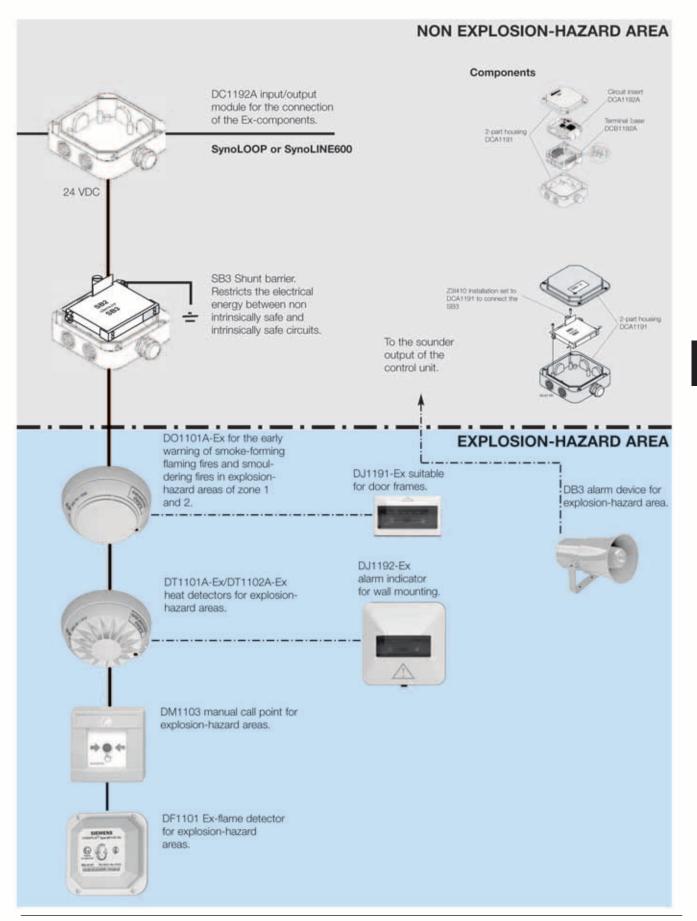
Special Equipment Linear Smoke Detector

Туре			Order No.
DLF1191-AB	Filter for short distance	s (5 8 m)	BPZ:4933160001
	For short distances betwe tance filter is required. Th	een 5 and 8 meters, an additional short di ne filter attenuates the detector signal ove can be inserted directly into the detector i	s-
DLF1191-AC	Filter against external li	Filter against external light influences	
	Interferences of the detector by extraneous light are rather rare. How- ever, if such a disturbance should occur in case of a strong impact of extraneous light, the extraneous light filter is available. The filter absorbs disturbing IR rays, and is inserted into the detector. The filter to be inserted into the detector.		of
DLH1191A	Detector heating		BPZ:4787970001
	Enables operation of a linear smoke detector where there is a risk of condensation. 24 VDC external power supply is necessary.		of
1	Operating voltage	20 30 VDC	
-	Operating current	30 50 mA	
FDLU291	Adjustment device set f	or linear smoke detector	A5Q00004905
	reflector by single-hande	noke detector can be rationally adjusted to d alignment via the adjustment device. ice, test filter, visor, magnet, spiral cable, N /, 0.5 Ah.	





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Special Equipment Explosion-Hazard Area Products Ex-Detectors

Туре			Order No.
DO1101A-Ex	Smoke detector, wide spec	trum collective 'Ex'	BPZ:5008010001
	For the early warning of smoke-forming flaming fires and smoldering fires in explosion-hazard areas of zone 1 and 2. The base DB1101A must be ordered separately.		
Ser. (B)	Operating voltage Quiescent current Operating temperature Ex-classification Dimensions (Ø x H) Color Approval Standard	17 24 VDC max. 100 μ A -25 +60 °C II 2 G EEx ib IIC T4 (-25 °C ≤Ta ≤60 °C) 115 x 51 mm (incl. base) white, RAL 9010 PTB 02 ATEX 2135 VdS G296052, LPCB 126am/02 for fire detectors EN54-7 for explosion-hazard areas EN50014 (IEC60079-0)/ EN50020 (IEC60079-11)	
	Protection category	EN50020 (IEC60079-11) IP44	
	Data sheet	001469	
DT1101A-Ex	Heat detector collective 'Ex		BPZ:4852140001
	For the monitoring of explosion-hazard areas of zone 1 and 2 with a maximum ambient temperature of 50 °C. It is characterized by reliable response behavior, not only in the event of slow temperature rises, but also where the temperature rises are fast. The base DB1101A must be ordered separately.		
	Operating voltage	16 24 VDC	
12	Quiescent current	max. 100 μA	
	Operating temperature Ex-classification	-25 +50 °C II 2 G EEx ib IIC T4 (-25 °C ≤Ta ≤50 °C)	
	Dimensions (Ø x H)	115 x 54.5 mm (incl. base)	
	Color	white, RAL 9010	
	Approval	PTB 02 ATEX 2097 VdS G296019, LPCB 126an/02	
	Standard	for fire detectors EN54-5: A1R for explosion-hazard areas EN50014 (IEC60079-0)/ EN50020 (IEC60079-11)	
	Protection category Data sheet	IP44 001469	

Special Equipment Explosion-Hazard Area Products Ex-Detectors

Туре

DT1102A-Ex

occur. It continuously measures the ambient temperature and reacts if defined maximum values are exceeded. The base DB1101A must be ordered separately. 16... 24 VDC Operating voltage Quiescent current max. 100 μA Operating temperature -25... +70 °C Ex-classification II 2 G EEx ib IIC T4 (-25 °C ≤Ta ≤70 °C) Dimensions (Ø x H) 115 x 54.5 mm (incl. base) Color white, RAL 9010 PTB 02 ATEX 2097 Approval VdS G296019, LPCB 126an/04 Standard for fire detectors EN54-5: B for explosion-hazard areas EN50014 (IEC60079-0)/ EN50020 (IEC60079-11) Protection category IP44 Data sheet 001469 DB1101A Base for collective detector series

Heat detector collective 'Ex'



Base made of impact and scratch-proof plastic and environmentally safe materials. Integral rubber gasket to protect against draught, dirt and dripping water from above. Screwless terminals for easy installation. Space for auxiliary terminals as micro terminals (0.5 mm²) and connection terminals (2.5 mm²). Fits all standard flush-mounted boxes from 55 to 80 mm.

For the monitoring of explosion-hazard areas of zone 1 and 2 with a maximum ambient temperature of 70 °C. It is the right heat detector for locations where large temperature fluctuations and high temperatures

Cable capacity	0.2 2.5 mm ²
Dimensions (Ø x H)	115 x 21 mm
Protection category	IP44
Color	white, RAL 9010
Delivery unit	6 pieces
Data sheet	001035
Further accessories	DBZ1191 Base attachment for sur-
	face mounting
	DBZ1190-AA Micro terminal
	0.5 mm ²
	DBZ1190-AB Connection terminal
	2.5 mm ²

Accessories

DBZ1191

Base attachment for surface mounting

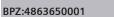


For feeding in surface wiring and to provide more wire loop space. Bases are mounted using a spring-loaded catch.

Dimensions (Ø x H) Color Delivery unit

116 x 22 mm white, RAL 9010 5 pieces

BPZ:4540830001



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Order No.

BPZ:4852270001





Special Equipment Explosion-Hazard Area Products Ex-Detectors

Туре			Order No.
DBZ1190-AA	Micro terminal 0.5 mm ²	² , 4-pole	BPZ:4677080001
		ases for external alarm indicators (Al), tion of a power supply unit or other c	
	Cable capacity	0.28 0.5 mm ²	
	Delivery unit	50 pieces	
DBZ1190-AB	Connection terminal 2.	5 mm², 3-pole	BPZ:4942340001
	As cross-connection in bases for external alarm indicators (AI), cable shielding, for the connection of a power supply unit or other compo- nents. It can easily be inserted.		
	Cable capacity Delivery unit	1 2.5 mm ² 50 pieces	

Special Equipment Explosion-Hazard Area Products Ex-Infrared Flame Detector

Type

DF11Ex____ Connectable to collective systems. Connection to the detection line via the input/output module for galvanic isolation. Infrared flame detector for explosion-hazard areas, for inside and outside applications. The Stabex HF test lamp is used to make a performance check on the infrared flame detector. It must be held in front of the detector. The detector unit DF1101-Ex and the base DFB1190 must be ordered separately. Dimensions (W x H x D) 135 x 135 x 77 mm Operating temperature -35... +70 °C II 2 G EEx ib IIC T4 Ex-classification (-35 °C ≤Ta ≤70 °C) Color white, RAL9010 Approval VdS G299085, PTB 02 ATEX 2161, LPCB 126s/03 Standard EN54-10 for flame detector EN50014 (IEC60079-0)/ EN50020 (IEC60079-11) for explosion-hazard areas Protection category IP67 Data sheet 001744 BPZ:5166750001 Infrared flame detector unit collective 'Ex' Flame detector DF1101-Ex intrinsically safe for Ex-protected areas. The infrared flame detector DF1101-Ex is designed to the explosion protection category 'Intrinsic safety' EEx i. One sensor measures the hot carbon dioxide in a specific flame wavelength; the two other sensors simultaneously measure the interference radiation in other wavelengths. With intelligent signal processing through fuzzy algorithms and wavelet analysis, the DF1101-Ex achieves excellent detection reliability while maintaining the highest immunity to interference radiation and sunlight. In order to safeguard against a possible decision emergency, the detector contains an additional emergency activation channel. Is suitable for chemical production plants, oil refineries, propane and butane filling installations, for all explosion-hazard areas in which flaming fires involving carbonaceous materials are to be expected. The base DFB1190 must be ordered separately. Dimensions ($W \times H \times D$) 135 x 135 x 32 mm 16... 28 VDC Operating voltage Quiescent current 0.5 mA Base for infrared flame detector BPZ:5165360001 The base comprises a robust, glass fiber-reinforced, plastic housing which provides the required isolated installation of the detector. The base contains screwless terminals, chokes to protect against EMI, a plug attachment for the detector, six M20 cable entry possibilities. Cable capacity 0.2... 1.5 mm² (AWG24... 15) 135 x 135 x 45 mm Dimensions (W x H x D) Color white, RAL 9010 A5Q00004478 Screwed cable gland Accessories M20 © Siemens Building Technologies Group

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Order No.



Infrared flame detector collective 'Ex'

DF1101-Ex



DFB1190

Туре

Order No.

A5Q00004478

A5Q00004478

Screwed cable gland M20 x 1.5

The screwed cable gland is for M20 cable feed-through. It enables better IP protection.

Delivery unit

10 pieces

Special Equipment Explosion-Hazard Area Products Manual Call Point

Collective manual call point The DM1103 is the best priced IP65 upgradable call point. The housing is mounted during the installation work. The electronic unit can be

plugged in just before the start up. The electronic unit DMA110xD and the housing DMA1192-xx must be ordered separately.

EN54-11

007980

M20

(1 hole)

(2 holes)

trostatic charching'

-25... +70 °C

screwed cable gland)

134 x 134 x 43 mm VdS G295036

DMZ1197-AD Protection seal DMZ1197-AC Protective cover A5Q00004478 Screwed cable gland

A5Q00006735 Locking plug M20

A5Q00010055 Locking plug M20

IP54 (IP65 with protection seal and

Standard Protection category

Operating temperature Dimensions (W x H x D) Approval Data sheet Accessories

Further accessories

Manual call point housing red

Electronic unit collective (double action)

DMA1192-AA



Manual call point housing for the DMA11x3. It can easily be upgraded to IP65 with a simple retrofit kit. It also features exchangeable labels to meet customer equirements. The plastic housing offers easy access to the electronic unit for functional tests and maintenance through the front door. The housing can be pre-installed to save time and money during installation. The separately ordered electronic unit is plugged in during commissioning. The access key for the manual call point is included in the package as well as different labels.

DMA1103D



The electronic unit is a double action device; just break the glass and press the button to activate an alarm. An LED always indicates the status of the manual call point. The electronic unit is plugged into the housing DMA1192-xx during commissioning.

red, RAL 3000

Operating voltage Terminal block

Color

16... 28 VDC min. 0.28... 1.5 mm²

Accessories

BPZ:5358470001

Label 'avoid electrostatic charging' for manual call point in explosion-hazard area.

BPZ:5358470001 Label 'avoid elec-

Order No.

DM1103____

BPZ:5222870001

A5Q00004470

BPZ:5358470001



DM1103



Special Equipment Explosion-Hazard Area Products Manual Call Point

Туре			Order No.
DMZ1197-AD	Protection seal		BPZ:5470680001
12 - 2 - 2		point in wet applications. anual call point housing's IP protection.	
10	Delivery unit	5 pieces	
DMZ1197-AC	Protective cover		BPZ:5223550001
B		point from unintentional glass break. Prote itted directly in the housing cover.	ec-
	Delivery unit	5 pieces	
<u> </u>			
A5Q00004478	Screwed cable gland M	20 x 1.5	A5Q00004478
	The screwed cable gland ter IP protection.	is for M20 cable feed-through. It enables	bet-
	Delivery unit	10 pieces	
A5Q00006735	Locking plug M20 x 1.5	(1 hole)	A5Q00006735
	For the manual call point For applications in dry ro	housings, surface-mounted feed lines. oms.	
	Color Delivery unit	red, RAL 3000 10 pieces	
A5Q00010055	Locking plug M20 x 1.5	(2 holes)	A5Q00010055
For the manual call point housings, surface-mounted feed lines. For applications in dry rooms.			
	Color Delivery unit	red, RAL 3000 10 pieces	

Special Equipment Explosion-Hazard Area Products Ex-Alarm Indicators

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Ex-Alarm Indicate	ors		
Туре			Order No.
DJ1191-Ex	Alarm indicator for door fra	mes	BPZ:4783440001
	Alarm indicators are connected to automatic fire detectors in order to indicate quickly the source of an alarm signal from detectors which are not easily accessible or visible.		
	Operating voltage Operating current Operating temperature Terminals Ex-classification Dimensions (W x H x D)	4 5 VDC max. 35 mA (continuous) -25 +80 °C max. 1.5 mm ² 'simple apparatus' acc. to EN50020 § 5.4 EEx ib IIC T6 (Ta ≤55 °C) / EEx ib IIC T5 (Ta ≤70 °C) 62 x 37 x 17 mm	
	Color Approval Protection category Data sheet	white, RAL 9010 EECS, ESTI IP40 001679	
DJ1192-Ex	Alarm indicator for wall mo	unting	BPZ:4783570001
		ed to automatic fire detectors in order to an alarm signal from detectors which are e.	
	Operating voltage Operating current Operating temperature Terminals Ex-classification	4 5 VDC max. 35 mA (continuous) -25 +80 °C max. 1.5 mm ² 'simple apparatus' acc. to EN50020 § 5.4 EEx ib IIC T6 (Ta <55 °C) /	
	Dimensions (W x H x D) Color Approval Protection category Data sheet Accessories	EEx ib IIC T5 (Ta \leq 70 °C) 85 x 85 x 25 mm white, RAL 9010 EECS, ESTI IP40 001679 AI330 Adapter frame	
	Accessories		
AI330	Adapter frame for alarm indicator		BPZ:3169430001
		ame, the alarm indicator can also be used ucts, to increase the loop space and as an f the box.	
1	Dimensions (W x H x D) Delivery unit	85 x 85 x 16 mm 10 pieces	

Special Equipment Explosion-Hazard Area Products Ex-Alarm Indicators

AJUT24-Ex



Alarm indicator, model for recess mounting

Made of transparent plastic, the AJUT24-Ex alarm indicator is suitable for installation in door frames, switching panels, ceiling voids or special housings. The 23 mm Ø mounting hole is drilled by the system owner. The holder must be fitted with the insulating cap for safety. For installation in humid rooms the DCA1191 housings as well as a washer are available (must be ordered separately). Up to 4 alarm indicators can be built into the housing DCA1191.

Operating voltage Operating current Operating temperature Ex-classification	1.5 VDC max. 20 30 mA (continuous) -25 +80 °C 'simple apparatus' acc. to EN50020 § 5.4 EEx ib IIC T6 (Ta \leq 55 °C) / EEx ib IIC T5 (Ta \leq 70 °C)
Color	transparent plastic
Dimensions (Ø x D)	26 x 51 mm
Approval	EECS, ESTI, PTB
Data sheet	001679
Accessories	DCA1191 Housing (IP56) BPZ:2473130001 Washer

Housing with cover for several applications. The housing offers six M20 cable feed-throughs for screwed cable glands and offers a better IP pro-

Accessories

Housing (empty)

DCA1191

tection.	5		
The screwed cable gland must be ordered separately.			
-			
Dimensions (W x H x D)	135 x 135 x 65 mm		
Color	pure white, RAL 9010		
Protection category	IP56		
Accessories	A5Q00004478 Screwed cable gland M20		
Washer			
Washer for alarm indicator model recess mounting. For applications in humid rooms the washer can be used.			
Delivery unit	10 pieces		
Sevenued cable gland M20 v 1 F			
Screwed cable gland M20 x 1.5			
The screwed cable gland is for M20 cable feed-through. It enables bet-			

BPZ:2473130001



A5Q00004478



es better IP protection.

Delivery unit

10 pieces

BPZ:2785440001

BPZ:4588560001

BPZ:3048160001

A5Q00004478

Order No.

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Туре			Order No.
DC1192	Auto-addressable input/output module for SynoLINE600 The input/output module DC1192 for the connection of either alarm devices, of up to 25 fire detectors with collective address (SynoLINE600) or for galvanic isolation (detection line coupler) between control unit and e.g. shunt Zener diode barrier with fire detec- tors for explosion-hazard areas (via SB3). The housing DCA1191, the terminal base DCB1192A and the electronic unit DCA1192A must be ordered separately.		
	Operating temperature Protection category Approval Data sheet Accessories	-25 +70 °C IP56 VdS G298021, LPCB 126m/04 001571	
DCA1191	Housing (empty)		BPZ:4588560001
		applications. The housing offers six M20 ed cable glands and offers a better IP pro- t be ordered separately. 135 x 135 x 65 mm pure white, RAL 9010 IP56 A5Q00004478 Screwed cable gland M20	
DCB1192A	Terminal base for DC1192		BPZ:5084500001
Star 1		p-addressable input/output module n be pre-installed together with the hous- d money during installation. 0.2 2.5 mm ² / AWG 24 14 DBZ1190-AA Micro terminal 0.5 mm ²	
DCA1192A	Electronic unit for DC1192		BPZ:5081200001
	Electronic unit for DC1192 input/output module is used in the Syno- LOOP fire detection system for the decentralized selection of fire detectors with a collective address SynoLINE600. The built-in isolator enables the fire control panel to localize short circuits and open lines. With the auto-addressable feature, no dip switch or punch card settings have to be made. The EOL22 element is also included in the packaging. The electronic unit is plugged into the housing just before commission- ing.		
	Detection line current Detection line voltage Operating current Operating voltage Quiescent current	max. 5 mA 18 22 VDC control line max. 2 A, 60 W external 18 32 VDC ≤45 mA	

Special Equipment Explosion-Hazard Area Products Ex-Barriers and Couplers

Туре			Order No.
EOL22(Ex)	Line termination		BPZ:5162220001
-	- Index	End-of-line unit for collective detection lines or as end-of-line unit with- in explosion-hazard areas of zones 1 and 2.	
	Accessories		
	Screwed cable gland M2	0 x 1.5	A5Q00004478
A5Q00004478	The screwed cable gland is ter IP protection.	s for M20 cable feed-through. It enables be	et-
	Delivery unit	10 pieces	
DBZ1190-AA	Micro terminal 0.5 mm ² ,	4-pole	BPZ:4677080001
		ses for external alarm indicators (AI), cable on of a power supply unit or other compo-	
	Cable capacity Delivery unit	0.28 0.5 mm ² 50 pieces	
SB3	Shunt Zener diode barrie	er	BPZ:4837400001
	This barrier is needed for an intrinsically safe installation in explosion- hazard areas connected to the in-/output module. This barrier restricts the electrical energy between non-intrinsically safe and intrinsically safe circuits. The installation has to be done according to the national safety regulations. The SB3 has to be mounted into the housing DCA1191 together with the Z3I410 installation set. Always install shunt Zener diode barriers outside explosion-hazard areas.		ts
	Operating voltage	max. 28 VDC	
	Operating current	max. 100 mA	
	Туре	Stahl 9001/00-280-100-101	
	Standard	EN50014 (IEC60079-0)/ EN50020 (IEC60079-11)	
	Data sheet	001222	
Z3I410	Installation set		BPZ:4837660001
		e barrier may be mounted together with su ng DCA1191 with protection category IP56	

Special Equipment Explosion-Hazard Area Products Ex-Alarm Device

Туре

Alarm device for explosion-hazard areas for zone 1 and 2

The DB3 flameproof audible alarm device is intended for the use in potentially explosive atmospheres. It has been designed with high ingress protection to cope with harsh environmental conditions.

Volume at 24 V and 1 m Operating temperature Alarm current Operating voltage Color

Ex-classification Protection category Terminals Approval Number of sounds Standard Ex-classification Dimensions (Ø x D) Data sheet

101... 114 dB -20... +55 °C max. 380 mA 12... 48 VDC red, anti-static, UV stable, glass reinforced polyester EExd IIC T5 IP66/67 6 x 2.5 mm² BAS 00ATEX2097X 27 CENELEC, EN 50014, 18 EExd IIC T5 137 x 184 mm 009001

Order No.

BPZ:5757970001

10







Special Equipment Printer 9-36V Printer

Туре			Order No.
B2Q191	Logging printer		BPZ:4848880001
		int the event log as well as data for serv- in a cabinet to match the Synova TM fire o a 19" cabinet.	
	Operating voltage Character set Data sheet Options	9 36 VDC EPSON or ISO 001726 H38G360 Housing for printer G2F031 Front frame 19"	
H38G360	Housing for printer P20101	Z2G030 Hinge to front frame 19"	BPZ:5235900001
	Housing for printer B2Q191 Housing for the logging printer control panels FC330A.	B2Q191 to match the Synova TM fire	Bi 2.525550000 T
	Dimensions (W x H x D)	580 x 480 x 120 mm	
G2F031	Front frame 19"		BPZ:4092900001
Front frame to mount the logg		ng printer B2Q191 in a 19" cabinet. The ame to the 19" rack and can be ordered	
	Dimensions (W x H)	19" / 6 HU	
Z2G030	Hinge		BPZ:3781980001
	Hinge to fix the front frame G2I G2A140 onto a 19" rack.	F031 and the adapter plate G2A130,	
	Dimensions (H)	6 HU	

Special Equipment Test Equipment Line Tester

DZ1131

Туре



Line test equipment

Universal device for the final testing of installed fire detection lines. The line test unit can determine whether the loop line is closed, whether the stub line is continuous up to the last detector, whether there is a short circuit or ground fault, whether the end of the line has the correct polarity. The fault locations are indicated by LCD together with address and type of device.

Current consumption

Detection line voltage Detection line current Operating temperature Operating voltage

Data sheet

170... 250 mA (LCD lit) 50... 130 mA (LCD not lit) 23... 28 VDC ≤40 mA -20... +50 °C (with mains adapter) 230 VAC 23... 28 VDC 002004 Order No.

BPZ:5469200001

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Special Equipment Test Equipment Detector Tester

Туре

RE6



Detector tester for smoke detectors

The detector tester (delivered with bellow DZZ1190) is placed over the detector and given a brief push to release the test gas and so simulate the presence of fire aerosols. The detector responds quickly and actuates an alarm. The test gas is free of halogenated chlorofluorocarbons (CFCs). It is not combustible. Different bellows are available to guarantee the best fit.

The extension rod FDUM291/292 and the test gas can REF8 (for ionization smoke detectors), REF8-S (for optical smoke detectors) must be ordered separately.

Data sheet	001164
Accessories	RG320 Bellow for Synova 300
	detectors

RG320



RE6T

Detector tester for heat detectors

BPZ:3680270001

BPZ:5166880001

Order No.

BPZ:3680300001

This detector tester contains a hot air generator. For the performance check, the tester is pushed over the detector. The hot air released, heats the detector and so actuates an alarm. The extension rod FDUM291/292 must be ordered separately.

The bellow is fitted to the RE6 to fit all Synova 300 detectors in an ideal

Mains voltage Operating temperature Data sheet

Accessories

way.

Bellow for RE6

220 VAC / 50... 60 Hz, ~300 W 0... +40 °C 001164

Special Equipment Test Equipment Detector Tester



Туре			Order No.
FDUM291	Telescope rod The three-part telescope with tri-oval the detector exchanger, detector teste		A5Q00004996
	5	i m extendable to 4.2 m low, black	
•			
FDUM292	Telescope rod The stable, four-part telescope with ro for the detector exchanger, detector to	und tubes serves as an extension esters and other applications up	A5Q00004997
	•	m extendable to 7.3 m low, black	

Special Equipment Test Equipment Detector Tester

Туре		Order No.
REF8	Test gas can for ionization detectorsREF8 has been developed as environmentally friendly test gas for the testing of ionization-type smoke detectors. REF8 can be used in the temperature range of 0 +40 °C in dry or in humid environments. Use only together with detector tester RE6.Delivery unit6 pieces	A5Q00011687
REF8-S	Test gas can for optical smoke detectorsREF8-S has been developed as environmentally friendly test gas for the testing of optical smoke detectors. REF8-S can be used in the tempera- ture range of -20 +40 °C in dry or in humid environments. Use only together with detector tester RE6.Delivery unit6 pieces	A5Q00011688
CDM320	Commissioning module The commissioning module for addressable Synova 300 detectors is used to connect the detector line in the base SO320. The line can be tested with the DZ1131 line test equipment set.	BPZ:5162350001
DZB1191	Detector base tester The DZB1191 is used to test the installed base of Synova 600 and AlgoRex series detectors. It is mounted with the detector exchanger DZ1191 directly onto the base placed on the ceiling. The DZB1191 can test for open lines, shorts, earth leakages, polarity and alarm indicator connection. Data sheet 001049	BPZ:4680660001

Special Equipment Test Equipment Detector Tester for Special Detectors

Order No. BPZ:4620910001 StabexHF Test lamp for flame detectors 'Ex' The test lamp is used to carry out a performance check on intrinsically safety flame detectors in explosion-hazard areas of zone 1 and 2. PTB 98 ATEX 2062 Approval Battery capacity 2 x Alkali battery 1.5 V, single-cell UM1 Ex-classification II 2 G EEx ib e IIC T4 Operating temperature -25... +40 °C Protection category IP65 000252 Data sheet BPZ:3669510001 Test lamp for flame detectors The test lamp is used for testing the operation of all flame detectors (non explosion-hazard areas). It is supplied with all the necessary accessories in a suitable carrying case (incl. charger, without battery). The carrying case also provides a means of storing the test lamp free of dust. The battery AX1204 must be ordered separately. Operating temperature -25... +45 °C Battery capacity 1 x 12 V / 7.2 Ah Data sheet 000252

FDLU291



Adjustment device set for linear smoke detector

The optics of the linear smoke detector can be rationally adjusted to the reflector by single-handed alignment via the adjustment device. Box with adjustment device, test filter, visor, magnet, spiral cable, MClink cable, and battery 9 V, 0.5 Ah.

A5Q00004905



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Туре

LE3



An extensive selection of accessories.

Siemens offers a wide range of high-quality accessories, further enhancing the performance of our fire detection products and systems. Our range includes sounders, beacons, covers, flush mounting and other products.

Alarm Equipment Sounders



001790

Data sheet

_	
- Tv	no
· • •	μe

Order No.

BPZ:2785020001

AGS24.5

Mallory buzzer



Buzzer for small, dry rooms with a low background noise level. Buzzer with continuous tone. For incorporation in equipment, panels etc. (for front panels with a max. thickness of 5 mm, a drill hole of 29.5 mm is adequate).

Operating voltage Alarm current	18 36 VDC 12 mA
Operating temperature	-20 +40 °C
Number of sounds	1
Frequency range	2900 Hz
Volume at 24 V and 1 m	80 dB
Cable capacity	0.28 1.5 mm ²
Protection category	IP20
Dimensions (Ø x D)	56 x 52 mm
Color	black
Data sheet	001790

Alarm Equipment Optical Signaling Equipment



Туре			Order No.
ALB24.1OR	Flashing signal lamp 'orang	je'	BPZ:5154140001
	with strong diffusion. Ideal f ings, entrances and exits: hel For inside and outside applic	Powerful light intensity generated by electronic flash tube, ribbed dome with strong diffusion. Ideal for noisy environments. To identify build- ings, entrances and exits: help can be brought quickly in an emergency. For inside and outside application. The adapter base ZS/AGN24.5 for IP65 must be ordered separately.	
	Operating voltage	20 30 VDC	
and the second	Alarm current	155 mA (3.7 W)	
	Operating temperature	-20 +55 °C	
	Frequency range	ca. 1 Hz (60/min.)	
	Flash energie	2 Joule	
	Cable capacity	1.5 mm ²	
	Protection category	IP54	
	Dimensions (Ø x D)	93 x 75 mm	
	Data sheet	001570	
	Accessories	ZS/AGN24.5 Adapter base for IP65	
ALB24.1R	Flashing signal lamp 'red'		BPZ:5154270001
	with strong diffusion. Ideal f ings, entrances and exits: hel For inside and outside applic	rated by electronic flash tube, ribbed dome or noisy environments. To identify build- p can be brought quickly in an emergency. ation. 5 for IP65 must be ordered separately. 20 30 VDC 155 mA (3.7 W) -20 +55 °C ca. 1 Hz (60/min.) 2 Joule 1.5 mm ² IP54 93 x 75 mm 001570 ZS/AGN24.5 Adapter base for IP65	
ZS/AGN24.5	Adapter base		BPZ:4242620001
	The ZS/AGN24.5 adapter bas AGN24.6 and ALB24 to IP6!	e is used to upgrade the alarm device 5.	
	Dimensions (Ø x D) Color Protection category Data sheet	93 x 30 mm white, RAL 9003 IP65 001790	



Massive project? Maximum complexity? Challenging environment?

In these situations only the most powerful systems will suffice and only a system such as Synova[™] can give you the required level of safety and reliability necessary to ensure lasting peace of mind.

This system has a decisive advantage:

Intelligence at all levels. Synova distributes the system responsibility to detectors and panels in a specific manner, providing exceptionally high levels of detection and unmatched configuration flexibility.



Туре			Order No.
A5Q00004152		l batteries. Low rate of self-discharge. g-term stability. High ampere-hour	A5Q00004152
8 2 8	Dimensions (W x H x D) Delivery unit	97 x 51 x 43 mm 2 pieces	
FA2010-A1	Battery (12 V, 4.5 Ah)		A5Q00019674
	Rechargeable sealed lead-acid ba To be ordered 2 batteries (system	ttery for emergency power supply. voltage 24 V).	
	Dimensions (W x H x D) Delivery unit	90 x 101 x 70 mm	
AX1204	Battery (12 V, 7.2 Ah)		BPZ:2522560001
		l batteries. Low rate of self-discharge. g-term stability. High ampere-hour	
	Dimensions (W x H x D)	152 x 94 x 66 mm	
AX1212	Battery (12 V, 12 Ah)		BPZ:4843250001
POLUER SONIC		l batteries. Low rate of self-discharge. g-term stability. High ampere-hour	
	Dimensions (W x H x D)	152 x 95 x 98 mm	
AX1210	Battery (12 V, 15 Ah)		BPZ:4755700001
		l batteries. Low rate of self-discharge. g-term stability. High ampere-hour	
	Dimensions (W x H x D)	182 x 170 x 80 mm	
	Delivery unit	2 pieces	

12

Туре			Order No.
AX1201	Battery (12 V, 27 Ah)		BPZ:2254870001
-	Maintenance free sealed lead-acid batteries. Low rate of self-discharge. Low internal resistance. High long-term stability. High ampere-hour capacity.		
POWER DO EONIC	Dimensions (W x H x D) Delivery unit	166 x 125 x 173.5 mm 2 pieces	

Spare Parts Spare Parts FC10



Туре		Order No.
FCA1001	Line extension card 4-zones	A6E60500020
FCA1007-B	Add-on line card To provide line continuity with diode bases according to Br ard BS5839 Pt1. One unit per 2 lines. Accessory for FC1024-A if used with FC1008/12-B.	A6E60500027 ritish Stand-
FCA1008-F	VdS card (Germany) To drive the required VdS peripheral devices (FBF, ÜE and S	A6E60500028 SST).
FCA1009-E	EVAC module Evacuation control module. Mounts on FC1008-E.	A6E60500029
FCA1010	Connection set 24 zones Connection cable from the 12 zone master panel and to zo	A6E60500030
FCA1013	Universal accessory bag Consists of: 2 EOL (FCE1002) for sounder control lines 12 EOL resistors 3.9 kΩ 3 cable binder 1 LED diffuser base (16 pins) 1 LED diffuser base (1 pin) 1 Allen key 3 mm for M4 screws 5 eco-fix screws M3x5 4 Allen screws M4x12 4 stainless Allen screws M4x12 4 O-ring 2.90 x 1.78 3 fuses (315 mA, 630 mA,160 mA) 6 mini jumpers 2.54 mm	A6E60500068
	Accessories FCE1003-B EOL elemen FCE1004-F EOL elemen	
FCE1001	EOL resistor 3.9 k $_{\Omega}$ (set of 10 pcs.)	A6E60500031
FCE1003-B	EOL element for head removing monitoring	A6E60500033
FCE1002	Termination element, control line End of line for sounder control lines, as spare part.	A6E60500032

Spare Parts Spare Parts FC10

Туре		Order No.
FCH1002	Cover for the FC1002-A, -B, -C	A6E60500035
FCH1004	Cover for the FC1004-A, -B, -C	A6E60500036
FCH1004-E	Cover for the FC1004-E	A6E60500037
FCH1008	Cover for the FC1008-A, -B, -C	A6E60500038
FCH1008-D	Cover for the FC1008-D	A6E60500039
FCH1008-E	Cover for the FC1008-E	A6E60500040
FCH1008-F	Cover for the FC1008-F	A6E60500041
FCH1012	Cover for the FC1012-A, -B, -C	A6E60500043
FCH1012-D	Cover for the FC1012-D	A6E60500044
FCH1012-F	Cover for the FC1012-F	A6E60500045
FCH1024	Cover for the FC1024-A	A6E60500046
FCM1002	Main board 2-zones	A6E60500047
FCM1004	Main board 4-zones	A6E60500048

Spare Parts Spare Parts FC10



Туре		Order No.
FCM1008	Main board for 8-zone units	A6E60500049
FCM1008-D	Main board for 8-zone units (Switzerland)	A6E60500050
FCP1002	Transformer for 2/4-zone units The transformer is delivered with mains connecting terminal.	A6E60500052
FCP1003	Transformer for 8/12-zone units The transformer is delivered with main connecting terminal. Mounts on FCP1001.	A6E60500053
FCP1001	Power supply card 8/12-zone units	A6E60500051
FCE1004-F	EOL element for creeping short circuit monitoring	A6E60500034

Spare Parts Spare Parts XC10

Туре		Order No.
XCM1001	Main board	A5Q00023946
	Main board, lower and upper level for XC1001-A, as spare part.	
ХСМ1001-В	Main board	A5Q00025160
	Main board, lower and upper level for XC1001-B, as spare part.	
FCP1004-E	Power supply 3.5 A	A6E60500054
	Power supply 3.5 A, accessory for all control unit types FC10, or as spare part for FC1008-E and XC10.	
XCE1001	Terminating resistor 3.3 k Ω	A6E60500065
-1	Resistors for end of detector lines, as spare part.	
111	Delivery unit 10 pieces	
XCE1003	Fuse 2 A	A5Q00016960
4	Fuse 2 A for control lines 4 and 5, as spare part.	
•	Delivery unit 2 pieces	
FCE1002	Termination element, control line	A6E60500032
46	End of line for sounder control lines, as spare part.	

Spare Parts Spare Parts XC10



	Order No.
Cover Cover with operating unit for XC1001-A, as spare part.	A6E60500064
Cover with operating unit for XC1001-B, as spare part.	A5Q00018564
	Cover with operating unit for XC1001-A, as spare part.

Spare Parts Spare Parts FC330A

Туре		Order No.
кзхо20	Master board SynoLOOP, 2-loop For easy maintenance, the master board can be replaced in the fire detection panel. It may be sent to Siemens Building Technologies to be repaired.	BPZ:5421440001
кзхозо	Master board SynoLOOP, 1-loop For easy maintenance , the master board can be replaced in the fire detection panel. It may be sent to Siemens Building Technologies to be repaired. This board is for the Synova TM fire control panel FC330A- ECO only.	BPZ:5432660001
B3Q630	Door with operating panel for FC330A-1 When the fire detection panel door is damaged, it may be replaced sim- ply by removing two screws. The door to FC330A-1 is supplied, includ- ing the keypad, mounting facilities and the connecting cable to the master board.	BPZ:6292870001
B3Q650	Door with operating panel for FC330A-2 When the fire detection panel door is damaged, it may be replaced sim- ply by removing two screws. The door to FC330A-2 is supplied, includ- ing the keypad, mounting facilities and the connecting cable to the master board.	BPZ:6293130001
A5Q00004419	Door with operating panel for FC330A-ECO As the B3Q630 but for the FC330A-ECO.	A5Q00004419
H37T030	Inner cabinet front for FC330A-4	BPZ:5340710001
2D96	Spare key DOM to door lock (2D97) When the keys to the fire control panel are lost or damaged, a replace- ment set can be ordered. The keys are used for the Synova TM panel series FC330A.	BPZ:5288250001

Spare Parts Spare Parts FC330A



Туре		Order No.
2D97	Spare lock for FC330A In some cases the lock has to be replaced. The packaging includes all the necessary parts to mount the lock including two keys.	BPZ:5131440001
Z35060	LCD with cable and plug The Synova TM panel series FC330A (phase 3) have the LCD display mounted inside the door. The LCD display can be easily accessed. A damaged LCD display can be replaced by removing two screws and plugging in the new cable. It fits to main board versions up to phase 3. These main boards have the identification numbers: 4840530001; 5134580001; 5133480001; 5423190001	BPZ:5229570001
Z3S130	LCD with cable and plug Same as Z3S060 but for phase 4 main boards.	BPZ:5433760001
Z3S140	LCD with cable and plug Same as Z3S060 but for phase 4 main boards with Cyrillic version.	BPZ:5436480001
Z3S150	LCD with cable and plug Same as Z3S060 but for phase 4 main boards with Hebrew version.	BPZ:5436510001
ZUCI 1110	Accessory set to FC330A Accessories as supplied with FC330A It contains all the material needed to mount the fire detection panel: 4 resistors for terminating the control lines $3.01 \text{ k}\Omega / 1/2$ Watt 2 PVC edge protection strips for cable feed-throughs in the cabinet 6 hexagonal nuts M3 and 6 serrated washers for fixing H23B030 or B3R080 14 bushings for cable feed-throughs on the housing 1 battery cable	BPZ:5136940001
EOL20	Line termination End-of-line unit for terminating conventional lines SynoLINE600.	BPZ:5082560001
EOL22(EX)	Line termination End-of-line unit for collective detection lines or as end-of-line unit with- in explosion-hazard areas of zones 1 and 2.	BPZ:5162220001

Spare Parts Migrations FC330A

Туре		Order No.
F20A040	LCD adapter	BPZ:5705010001
	The LCD adapter cable is needed to connect the phase 3 display to the phase 4 main board.	
КЗК040	RS232 adapter	BPZ:5436190001
	The K3K040 is needed if both RS232 interfaces are used with phase 3 and have to be adapted to the phase 4 main board (new two RS232 plugs on the phase 4 main board).	

Spare Parts Spare Parts FC700A



Туре		Order No.
E3G070	Universal control module As spare part for FC700A.	BPZ:5466610001
E3C011	Battery charging unit Battery charging module for auxiliary power supply, or as spare part for FC700A.	BPZ:5054790001
H23B010	Cover plate for control unit housing (Already included in the standard version)	BPZ:4762100001

Spare Parts Spare Parts MT320C, DM1101, DM1131

Туре		Order No.
FDMG291	Replacement glass Replacement glass for manual call point housings FDMH291-x. Delivery unit 10 pieces	A5Q00002122
FDMK291	Cover with key Spare key with call point front for manual call point housings FDMH291-x.	A5Q00001643
DMZ1195	Spare key The spare key is used for all manual call point housings DMA1192-xx, FDMH293-x. Delivery unit 10 pieces	BPZ:4851910001
DMZ1196-AC	Spare glass neutralEasy to replace spare glass for the manual call point housingsDMA1192-x, FDMH29x-x. The spare glass is neutral and has no marks.Delivery unit10 pieces	BPZ:4942050001

Spare Parts Spare Parts ASD-Duct



Туре			Order No.
DBZ1197A	Air duct sampling chamber		BPZ:4926500001
	The air sampling smoke detection unit is a passive monitoring system without its own fan. It utilizes the differences in pressure in the ventila- tion system in order to carry continuous air samples via the air flow tube (bypass) from the ventilation duct to the air duct sampling cham- ber. The air sampling smoke detection unit operates reliably as long as the ventilation system is in operation and air can circulate. Normally, the air to be monitored must be clean, i.e. free of dust and aerosols.It can be used in the collective SynoLINE600 and addressable Syno- LOOP detector bus.		
	Smoke detector Detector base	DO1103A, DO1104A, DO1133A SO620A for addressable Synova 600 detectors DB1101A for collective Synova 600 detectors	
	Min. duct diameter	100 mm	
	Permissible air speed	1 20 m/s	
	Airflow indicator	≥1 m/s	
	Ambient temperature	-20 50 °C	
	Protection category Approval	IP64 VdS G201059 with smoke detector DO1104A	
	Data sheet	001382	
	Accessories	DBZ1197-AA Air flow tube 0.6 m DBZ1197-AB Air flow tube 1.5 m DBZ1197-AC Air flow tube 2.8 m DBZ1197-AD Rubber gasket for air flow tube DBZ1197-AE Mounting device	
	Accessories		
DBZ1197-AA	Air flow tube for ASD-Duct		BPZ:4926630001
	A variety of aluminium air flow tubes to be fitted in the air duct is pro- vided.		
	Length	0.6 m	
DBZ1197-AB	Air flow tube for ASD-Duct		BPZ:4995010001
	As above but different length.		
	Length	1.5 m	
DBZ1197-AC	Air flow tube for ASD-Duct		BPZ:4995140001
	As above but different length.		
	Length	2.8 m	
DBZ1197-AD	Rubber gasket for air flow tube	s DBZ1197-AA/AB/AC	BPZ:4995270001
-	The rubber gasket is used to fit are in the air duct.	ound the air flow tube, which is placed	

13

Spare Parts Spare Parts ASD-Duct

Туре		Order No.
DBZ1197-AE	Mounting device	BPZ:4995300001
	The mounting device permits the ASD-Duct to be attached to almost any air duct e.g. round, square, uneven ones. Normally the ASD-Duct is mounted with 3 metal screws and installed by drilling a hole into the air duct.	
DBZ1197-AF	Spare cover	BPZ:5294840001
	The cover of the ASD-Duct can easily be replaced.	



Spare Parts Spare Parts Printer, Alarm Indicators, Halogen Lamp



Туре			Order No.
BPZ:3799770001	Spare paper rolls		BPZ:3799770001
	Thermo paper 80 mm x 40 m (eq printer B2Q191.	ual to approx. 11000 lines) for logging	
	Delivery unit	4 pieces	
BPZ:3048160001	Insulating cap for alarm indica	tors	BPZ:3048160001
	Use as spare part.		
	Delivery unit	20 pieces	
BPZ:3679630001	Halogen lamp 12 V / 50 W		BPZ:3679630001
	Use as spare part for LE3.		

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Spare Parts Spare Parts Test Equipment

Туре		Order No.
FDLU291	Adjustment device for FDLU291 Adjustment device use only as spare part.	A5Q00006540
FDUD292-A	Adapter cable MC-Link cable from detector exchanger and tester to the in-/output modules and to the linear smoke detector (audio stereo cable 1.5 m with direct and bend stereo jack 3.5 mm). Use as spare part to the FDUD292, FDUD293.	A5Q00004990
FDUL221-A	Line connection set Use as spare part for line tester FDUL221.	A5Q00008436
FDUL221-B	Mains adapter set Use as spare part for line tester FDUL221.	A5Q00008437
FDUL221-C	PC cable (RS232) Use as spare part for line tester FDUL221.	A5Q00008438

Spare Parts Spare Parts Test Equipment



Туре		Order No.
A5Q00009786	Adapter with lever, screw and nut incl. attachment and bushing	A5Q00009786
	screw Use as spare part to the telescope rods FDUM291and FDUM292.	
A5Q00009787	Lever with screw and nut Use as spare part to the telescope rods FDUM291and FDUM292.	A5Q00009787
1		
A5Q00009788	Small flap with screw and nut	A5Q00009788
	Use as spare part to the telescope rod FDUM291.	
A5Q00009789	Large flap with screw and nut	A5Q00009789
	Use as spare part to the telescope rod FDUM291.	
RG320	Bellow for RE6	BPZ:5166880001
7	The bellow is fitted to the RE6 to fit all Synova 300 detectors in an ideal way.	
DZZ1190	Bellow for RE6	BPZ:4478380001
8	The bellow is fitted to the RE6 to fit all Synova 600 and AlgoRex series detectors in an ideal way.	

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Туре	Description	Order No.	Page
2D96	Spare key DOM to door lock (2D97)	BPZ:5288250001	13-6
2D97	Spare lock for FC330A	BPZ:5131440001	13-7
A5Q00004152	Battery (12 V, 1.2 Ah)	A5Q00004152	12-1
A5Q00004419	Door with operating panel for FC330A-ECO	A5Q00004419	13-6
A5Q00004478	Screwed cable gland M20 x 1.5	A5Q00004478	4-6, 5-3,
			5-7, 5-
			10, 5-
			13, 9-8, 9-12, 9-
			15, 9-
			18, 9-
			21, 9-
			23, 9- 25, 10-
			6, 10-9,
			10-16,
			10-18,
			10-20,
			10-22
A5Q00004479	Back nut M20	A5Q00004479	4-6, 5-7, 9-12
A5Q00006735	Locking plug M20 x 1.5 (1 hole)	A5Q00006735	5-10, 9-
			15, 10-
			18
A5Q00009786	Adapter with lever, screw and nut incl. attachment and bushing screw	A5Q00009786	13-15
A5Q00009787	Lever with screw and nut	A5Q00009787	13-15
A5Q00009788	Small flap with screw and nut	A5Q00009788	13-15
A5Q00009789	Large flap with screw and nut	A5Q00009789	13-15
A5Q00010055	Locking plug M20 x 1.5 (2 holes)	A5Q00010055	5-10, 9-
			15, 10-
AB322A	Auto-addressable output module	BPZ:5311550001	18 9-20
ABI320A	Auto-addressable output nodule	ABI320A	9-20
ABI322A	Auto-addressable input/output module	BPZ:5311680001	9-22
ABIG320A	Housing with terminal base for ABI320A input/output module	BPZ:5169500001	9-18, 9-
ADIOSZOA	nousing with terminal base for ABIS20A input/output module	DI 2.5109500001	23
ABIS320A	Electronic unit to ABI320A input/output module	BPZ:5169180001	9-23
AGN24.6	Alarm device	BPZ:5371170001	11-1,
			11-3
AGS24.5	Mallory buzzer	BPZ:2785020001	11-2
AGT24.1	Alarm device	BPZ:5371040001	11-1
AI300	Alarm indicator (frame mounting)	BPZ:4930280001	5-12, 9- 16
AI320	Alarm indicator (frame mounting)	BPZ:5163030001	4-7
AI322	Alarm indicator (surface mounting)	BPZ:5163160001	4-7, 5- 12
AI330	Adapter frame for alarm indicator	BPZ:3169430001	4-7, 5- 12, 9- 16, 10- 19
AI340	Alarm indicator (surface mounting)	BPZ:4930440001	5-12, 9- 16
AJUT24-Ex	Alarm indicator, model for recess mounting	BPZ:2785440001	10-20
ALB24.1OR	Flashing signal lamp 'orange'	BPZ:5154140001	11-3
ALB24.1R	Flashing signal lamp 'red'	BPZ:5154270001	11-3
	Battery (12 V, 27 Ah)	BPZ:2254870001	12-2

Туре	Description	Order No.	Page
AX1203	Battery (12 V, 1.2 Ah)	BPZ:2613600001	12-1
AX1204	Battery (12 V, 7.2 Ah)	BPZ:2522560001	12-1
AX1210	Battery (12 V, 15 Ah)	BPZ:4755700001	12-1
AX1212	Battery (12 V, 12 Ah)	BPZ:4843250001	12-1
B2F020	AC/DC converter for auxiliary power supply	BPZ:4705880001	7-9
B2Q191	Logging printer	BPZ:4848880001	10-24
B3D021	Dual RS232 ITF box	BPZ:5052590001	7-11, 7- 19
B3Q580	Floor repeater panel	BPZ:4961770001	8-2
B3Q590	Floor repeater panel with control functions, Nordic access key	BPZ:4961800001	8-2
B3Q595	Floor repeater panel with control functions, Kaba access key	BPZ:5341100001	8-3
B3Q630	Door with operating panel for FC330A-1	BPZ:6292870001	13-6
B3Q650	Door with operating panel for FC330A-2	BPZ:6293130001	13-6
B3Q700	Comfort operating terminal for fire detection system FC700A	A5Q00004719	7-13
B3R051	Parallel indicator panel 2x24 LEDs	BPZ:4905130001	7-10, 7-
			, 17, 8-6
B3R080	Parallel indicator panel with 32 alarm indicators	BPZ:5238460001	6-16
BPZ:2473130001	Washer	BPZ:2473130001	10-20
BPZ:3048160001	BPZ:3048160001	BPZ:3048160001	10-20,
			13-13
BPZ:3679630001	Halogen lamp 12 V / 50 W	BPZ:3679630001	13-13
BPZ:3799770001	Spare paper rolls	BPZ:3799770001	13-13
BPZ:5358470001	Label 'avoid electrostatic charging' for manual call point in explo- sion-hazard area.	BPZ:5358470001	10-17
CB320A	Auto-addressable input module for SynoLINE300	CB320A	9-18
CBG320A	Housing for input module CB320A	BPZ:5305250001	9-18
CBS320A	Electronic unit for input module CB320A	BPZ:5305120001	9-18
CDM320	Commissioning module	BPZ:5162350001	10-28
CKQ007	EPROM set for FG700A	A5Q00005137	7-8
DB1101A	Base for collective detector series	BPZ:4863650001	5-2, 10- 2, 10-13
DB3	Alarm device for explosion-hazard areas for zone 1 and 2	BPZ:5757970001	10-23
DBC1191A-AA	Relay base	BPZ:5017870001	5-4, 9-9
DBZ1190	Locking device	BPZ:4585260001	5-5, 9-
5521175		5.2.1000200001	10
DBZ1190-AA	Micro terminal 0.5 mm², 4-pole	BPZ:4677080001	5-4, 9-9, 9-19, 9- 24–25, 10-14, 10-22
DBZ1190-AB	Connection terminal 2.5 mm ² , 3-pole	BPZ:4942340001	4-3, 5-5, 9-4, 9- 10, 10- 4, 10-14
DBZ1190A-AC	Detector heating	BPZ:5167850001	5-5, 9- 10
DBZ1191	Base attachment for surface mounting	BPZ:4540830001	5-2, 9-7, 10-13
DBZ1191A-AA	Base attachment flat for surface mounting	BPZ:5011270001	5-2, 9-7
DBZ1192	Base attachment for humid environment	BPZ:4588140001	5-3, 9-8
DBZ1192-AA	Base attachment for wet environment	BPZ:5355590001	5-3, 9-8
DBZ1193A	Detector designation plate	BPZ:4864330001	5-5, 9- 10
DBZ1193A-AA	Detector marking	BPZ:5009820001	5-5, 9- 10
DBZ1194	Protective cage	BPZ:4677110001	5-3, 9-8

Туре	Description	Order No.	Page
DBZ1195A	Acoustic base	BPZ:4940140001	5-4, 9-9
DBZ1197-AA	Air flow tube for ASD-Duct	BPZ:4926630001	10-3, 13-11
DBZ1197-AB	Air flow tube for ASD-Duct	BPZ:4995010001	13-11
DBZ1197-AC	Air flow tube for ASD-Duct	BPZ:4995140001	10-3, 13-11
DBZ1197-AD	Rubber gasket for air flow tubes DBZ1197-AA/AB/AC	BPZ:4995270001	13-11
DBZ1197-AE	Mounting device	BPZ:4995300001	13-12
DBZ1197-AF	Spare cover	BPZ:5294840001	13-12
DBZ1197A	Air duct sampling chamber	BPZ:4926500001	10-1, 13-11
DC1192	Auto-addressable input/output module for SynoLINE600	DC1192	9-24, 10-21
DCA1191	Housing (empty)	BPZ:4588560001	5-13, 9- 17, 9- 20, 9- 22, 9- 24, 10- 20-21
DCA1192A	Electronic unit for DC1192	BPZ:5081200001	9-25, 10-21
DCB1192A	Terminal base for DC1192	BPZ:5084500001	9-24, 10-21
DCZ1190-AA	Mounting plate for input/output modules	BPZ:5226270001	9-17, 9- 20, 9-22
DF11	Infrared flame detector	DF11	10-5
DF1101-EX	Infrared flame detector unit collective 'Ex'	BPZ:5166750001	10-15
DF1191	Infrared flame detector unit	BPZ:5166590001	10-5
DF1192	Infrared flame detector unit	BPZ:5166620001	10-5
DF11Ex	Infrared flame detector collective 'Ex'	DF11Ex	10-15
DFB1190	Base for infrared flame detector	BPZ:5165360001	10-6, 10-15
DFB1190-AA	Base for SynoLINE300	BPZ:5227400001	10-6
DFZ1190	Rain hood	BPZ:5302660001	10-6
DJ1191-Ex	Alarm indicator for door frames	BPZ:4783440001	10-19
DJ1192-Ex	Alarm indicator for wall mounting	BPZ:4783570001	10-19
DJ1193	Alarm indicator incl. insulating cap	BPZ:4876360001	5-12
DLA1191A	Linear smoke detector unit	BPZ:4942920001	10-8
DLB1191A	Base for linear smoke detector unit DLA1191A	BPZ:4692010001	10-8
DLF1191-AA	Filter for short distances (7 10 m)	BPZ:4933030001	10-9
DLF1191-AB	Filter for short distances (5 8 m)	BPZ:4933160001	10-10
DLF1191-AC	Filter against external light influences	BPZ:5221480001	10-10
DLH1191A	Detector heating	BPZ:4787970001	10-10
DLO1191	Linear smoke detector	DLO1191	10-8
DLR1191	Reflector for long distance (prism)	BPZ:4787710001	10-9
DLR1192	Reflector for middle distance (foil)	BPZ:4788490001	10-9
DLR1193	Reflector for short distance (foil)	BPZ:4787840001	10-9
DM1101	Collective manual call point for SynoLINE600	DM1101	5-6
DM1103	Collective manual call point	DM1103	5-8, 10- 17
DM1103-L	Manual release button complete (yellow)	A5Q00017630	5-10
DM1103-S	Emergency stop button complete (blue)	A5Q00014486	5-11
DM1131	Auto-addressable manual call point	DM1131	9-11
DM1133A	Auto-addressable manual call point	DM1133A	9-13
DMA1101	Collective MCP switching module	A5Q00005578	5-7

Туре	Description	Order No.	Page
DMA1103D	Electronic unit collective (double action)	A5Q00004470	5-9, 10- 17
DMA1131	Auto-addressable MCP switching module	A5Q00005579	9-12
DMA1133D	Electronic unit SynoLOOP (double action)	A5Q00004471	9-14
DMA1192-AA	Manual call point housing red	BPZ:5222870001	5-8, 9- 13, 10- 17
DMA1192-AB	Manual call point housing blue	BPZ:5464250001	5-8, 9- 13
DMA1192-AC	Manual call point housing yellow	BPZ:5464120001	5-9, 9- 14
DMA1192-AD	Manual call point housing green	BPZ:5090190001	5-9, 9- 14
DMZ1195	Spare key	BPZ:4851910001	13-10
DMZ1196-AC	Spare glass neutral	BPZ:4942050001	13-10
DMZ1197-AC	Protective cover	BPZ:5223550001	5-10, 9- 15, 10- 18
DMZ1197-AD	Protection seal	BPZ:5470680001	5-9, 9- 14, 10- 18
DO1101A	Smoke detector, collective wide spectrum	BPZ:4930020001	5-1
DO1101A-Ex	Smoke detector, wide spectrum collective 'Ex'	BPZ:5008010001	10-12
DO1103A	Smoke detector, collective wide spectrum for SynoLINE600	BPZ:4945800001	10-1
DO1104A	Smoke detector, collective wide spectrum for SynoLINE600	BPZ:5090640001	10-2
DO1133A	Smoke detector, AnalogPLUS/SynoLOOP wide spectrum	BPZ:5016480001	10-2
DT1101A	Heat detector	BPZ:4931700001	5-1
DT1101A-Ex	Heat detector collective 'Ex'	BPZ:4852140001	10-12
DT1102A	Heat detector	BPZ:4931830001	5-1
DT1102A-Ex	Heat detector collective 'Ex'	BPZ:4852270001	10-13
DZ1131	Line test equipment	BPZ:5469200001	10-25
DZB1191	Detector base tester	BPZ:4680660001	10-28
DZZ1190	Bellow for RE6	BPZ:4478380001	13-15
E3C011	Battery charging unit	BPZ:5054790001	7-10, 13-9
E3G050	Control module with 8 volt-free contacts	BPZ:4602550001	7-7
E3G060	Control module for monitored alarm devices	BPZ:5425390001	7-7
E3G070	Universal control module	BPZ:5466610001	13-9
E3H020	C-bus gateway	BPZ:5466580001	7-8
E3I020	RS232 module	BPZ:4602390001	7-8, 7- 16
E3I040	LON interface	BPZ:4993100001	7-7, 7- 16, 8-2
E3L020	Input/output module	BPZ:5466450001	7-7
E3L030	VdS control module	BPZ:4759940001	7-8
E3M080	Collective line module	BPZ:4602680001	7-7
E3M111	Line module SynoLOOP	BPZ:5115310001	7-7
EB322A	Auto-addressable input module	BPZ:5311420001	9-17
EOL20	Line termination	BPZ:5082560001	13-7
EOL22(EX)	Line termination	BPZ:5162220001	10-22, 13-7
F02F290	Connecting ribbon cable for optional key	BPZ:5137620001	6-8, 6- 20
F12A100	Flat cable micro 12 pin, 0.4 m	BPZ:4952750001	8-5
F12A470	Flat cable micro 12 pin, 1.5 m	BPZ:4952880001	8-5

Туре	Description	Order No.	Page
F20A040	LCD adapter	BPZ:5705010001	13-8
F50F410	50-wire flat cable, with 24 red LEDs	BPZ:5291410001	8-6
FA2010-A1	Battery (12 V, 4.5 Ah)	A5Q00019674	12-1
FC1002-A	2-zone conventional unit (Standard)	A6E60500000	2-2
FC1002-B	2-zone conventional unit (Head removal monitoring)	A6E60500001	2-2
FC1002-C	2-zone conventional unit (Nordic)	A6E60500002	2-2
FC1002	2-zone conventional unit	FC1002	2-2
FC1004-A	4-zone conventional unit (Standard)	A6E60500003	2-4
FC1004-B	4-zone conventional unit (Head removal monitoring)	A6E60500004	2-4
FC1004-C	4-zone conventional unit (Nordic)	A6E60500005	2-4
FC1004-E	4-zone conventional unit (NL)	A6E60500006	2-4
FC1004	4-zone conventional unit	FC1004	2-4
FC1008-A	8-zone conventional unit (Standard)	A6E60500007	2-6
FC1008-B	8-zone conventional unit (Head removal monitoring)	A6E60500008	2-6
FC1008-C	8-zone conventional unit (Nordic)	A6E60500009	2-6
FC1008-D	8-zone conventional unit (CH)	A6E60500010	2-7
FC1008-E	8-zone conventional unit (Evacuation)	A6E60500011	2-7
FC1008-F	8-zone conventional unit (VdS)	A6E60500012	2-7
FC1008	8-zone conventional unit	FC1008	2-6
FC1012-A	12-zone conventional unit (Standard)	A6E60500014	2-10
FC1012-B	12-zone conventional unit (Head removal monitoring)	A6E60500015	2-10
FC1012-C	12-zone conventional unit (Nordic)	A6E60500016	2-10
FC1012-D	12-zone conventional unit (CH)	A6E60500017	2-11
FC1012-F	12-zone conventional unit (VdS)	A6E60500018	2-11
FC1012	12-zone conventional unit	FC1012	2-10
FC1024-A	12-zone conventional expansion unit	A6E60500019	2-11
FC330A-1	2-loop fire control panel, analogue, auto-addressing	BPZ:5665570001	6-12
FC330A-2	2-loop fire control panel, analogue, auto-addressing	BPZ:5665600001	6-12
FC330A-2-CH	2-loop fire control panel, analogue, auto-addressing	BPZ:5775880001	6-12
FC330A-4	2-loop fire control panel, analogue, auto-addressing	BPZ:5665860001	6-12
FC330A-5	2-loop fire control panel, analogue, auto-addressing	BPZ:5665590001	6-12
FC330A-6	2-loop fire control panel, analogue, auto-addressing	BPZ:6289900001	6-13
FC330A-ECO	1-loop fire control panel, analogue, auto-addressing	BPZ:5437160001	6-4
FC330A-ECO-CH	1-loop fire control panel, analogue, auto-addressing	BPZ:5775750001	6-4
FC330A-ECO	1-loop fire control panel, analogue, auto-addressing	FC330A-ECO	6-4
FC330A-NL	2-loop fire control panel, analogue, auto-addressing	A5000013021	6-13
FC330A	2-loop fire control panel, analogue, auto-addressing	FC330A	6-11
FC700A-1	4 16-loop analogue addressable control panel	A5Q00004734	7-5
FCA1000-FF	Interface card SST	A6E60500055	2-8, 2-
		A0200300033	12
FCA1001	Line extension card 4-zones	A6E60500020	13-1
FCA1002	Display unit	A6E60500021	2-8, 2-
			12
FCA1003	Sounder control card	A6E60500022	2-8, 2- 12
FCA1004-F	Line extension card SST	A6E60500023	2-8, 2- 12
FCA1005-D	RT-isolation card	A6E60500024	2-8, 2- 12, 3-6
FCA1006-F	RS232 adapter	A6E60500025	2-8, 2- 12
FCA1007	Key switch kit	A6E60500026	2-3, 2-5, 2-9, 2- 13, 3-7

_

Туре	Description	Order No.	Page
FCA1007-B	Add-on line card	A6E60500027	2-8, 2- 12, 13-1
FCA1008-F	VdS card (Germany)	A6E60500028	13-1
FCA1009-E	EVAC module	A6E60500029	13-1
FCA1010	Connection set 24 zones	A6E60500030	13-1
FCA1013	Universal accessory bag	A6E60500068	13-1
FCA105	Language set standard English for FC330A	BPZ:5760130001	6-5, 6- 14
FCA125	Language set Castilian for FC330A	BPZ:5760260001	6-5, 6- 14
FCA135	Language set Catalan for FC330A	BPZ:5760390001	6-5, 6- 14
FCA145	Language set Flemish for FC330A	BPZ:5760420001	6-5, 6- 14
FCA155	Language set Walloon for FC330A	BPZ:5760550001	6-5, 6- 14
FCA165	Language set Dutch for FC330A	A5Q00012607	6-5
FCA175	Language set Italian for FC330A	BPZ:5760680001	6-5, 6- 14
FCA185	Language set Polish for FC330A	BPZ:5760710001	6-5, 6- 14
FCA195	Language set German for FC330A	BPZ:5760840001	6-5, 6- 14
FCA205	Language set French for FC330A	BPZ:5761490001	6-5, 6- 14
FCA215	Language set Swedish for FC330A	BPZ:5760970001	6-5, 6- 14
FCA225	Language set Czech for FC330A	BPZ:5761070001	6-6, 6- 14
FCA235	Language set Slovakian for FC330A	BPZ:5761100001	6-6, 6- 15
FCA245	Language set Hebrew for FC330A	BPZ:5761230001	6-6, 6- 15
FCA255	Language set Cyrillic for FC330A	BPZ:5761360001	6-6, 6- 15
FCA265	Language set Norwegian for FC330A	BPZ:5761520001	6-6, 6- 15
FCA275	Language set Portuguese for FC330A	A5Q00014230	6-6
FCA725	Spanish inscription stripes for FC700A	A5Q00004833	7-6, 7- 14
FCA765	Dutch inscription stripes for FC700A	A5Q00012621	7-6, 7- 14
FCA775	Italian inscription stripes for FC700A	A5Q00004834	7-6, 7- 14
FCA785	Polish inscription stripes for FC700A	A5Q00004835	7-6, 7- 14
FCA835	Czech inscription stripes for FC700A	A5Q00012730	7-6, 7- 14
FCE1001	EOL resistor 3.9 k Ω (set of 10 pcs.)	A6E60500031	13-1
FCE1002	Termination element, control line	A6E60500032	13-1, 13-4
FCE1003-B	EOL element for head removing monitoring	A6E60500033	13-1
FCE1004-F	EOL element for creeping short circuit monitoring	A6E60500034	13-3
FCH1002	Cover for the FC1002-A, -B, -C	A6E60500035	13-2
FCH1004	Cover for the FC1004-A, -B, -C	A6E60500036	13-2
FCH1004-E	Cover for the FC1004-E	A6E60500037	13-2

Туре	Description	Order No.	Page
FCH1008	Cover for the FC1008-A, -B, -C	A6E60500038	13-2
FCH1008-D	Cover for the FC1008-D	A6E60500039	13-2
FCH1008-E	Cover for the FC1008-E	A6E60500040	13-2
FCH1008-F	Cover for the FC1008-F	A6E60500041	13-2
FCH1012	Cover for the FC1012-A, -B, -C	A6E60500043	13-2
FCH1012-D	Cover for the FC1012-D	A6E60500044	13-2
FCH1012-F	Cover for the FC1012-F	A6E60500045	13-2
FCH1024	Cover for the FC1024-A	A6E60500046	13-2
FCM1002	Main board 2-zones	A6E60500047	13-2
FCM1004	Main board 4-zones	A6E60500048	13-2
FCM1008	Main board for 8-zone units	A6E60500049	13-3
FCM1008-D	Main board for 8-zone units (Switzerland)	A6E60500050	13-3
FCP1001	Power supply card 8/12-zone units	A6E60500051	13-3
FCP1002	Transformer for 2/4-zone units	A6E60500052	13-3
FCP1003	Transformer for 8/12-zone units	A6E60500053	13-3
FCP1004-E	Power supply 3.5 A	A6E60500054	2-8, 2-
		1020000001	12, 13-4
FDBZ292	Air sampling smoke detection kit	A5Q00021362	10-1
FDBZ292-AA	Air flow tube 0.6 m	A5Q00021363	10-3
FDBZ292-AB	Air flow tube 1.5 m	A5Q00021364	10-3
FDBZ292-AC	Air flow tube 2.8 m	A5Q00021366	10-3
FDBZ292-AD	Sealing kit for air flow tubes	A5Q00021367	10-4
FDBZ292-AF	Mounting bracket	A5Q00021369	10-4
FDLU291	Adjustment device set for linear smoke detector	A5Q00004905	10-10,
	·,		10-29
FDLU291	Adjustment device for FDLU291	A5Q00006540	13-14
FDMC291	Protective cover	A5Q00001644	4-6, 5-7, 9-12
FDMG291	Replacement glass	A5Q00002122	13-10
FDMH291-B	Housing blue with key	A5Q00004980	4-6, 5-7, 9-12
FDMH291-G	Housing green with key	A5Q00004981	4-5, 5-6, 9-11
FDMH291-R	Housing red with key	A5Q00002217	4-5, 5-6, 9-11
FDMH291-Y	Housing yellow with key	A5Q00004979	4-5, 5-6, 9-11
FDMK291	Cover with key	A5Q00001643	13-10
FDUD292-A	Adapter cable	A5Q00004990	13-14
FDUL221-A	Line connection set	A5Q00008436	13-14
FDUL221-B	Mains adapter set	A5Q00008437	13-14
FDUL221-C	PC cable (RS232)	A5Q00008438	13-14
FDUM291	Telescope rod	A5Q00004996	10-27
FDUM292	Telescope rod	A5Q00004997	10-27
FT700A	Comfort operating terminal for fire detection system FC700A	FT700A	7-13
G2A130	Adapter plate 19"	BPZ:4750880001	7-15
G2A140	Adapter plate 19"	BPZ:4842280001	7-16
G2F031	Front frame 19"	BPZ:4092900001	10-24
GEN2-de	Fire control panel for connection to 12 VDC supply	BPZ:9300150001	1-2
GEN2-en	Fire control panel for connection to 12 VDC supply	BPZ:9300110001	1-2
GEN2-es	Fire control panel for connection to 12 VDC supply	BPZ:9300100001	1-3
GEN2-fr	Fire control panel for connection to 12 VDC supply	BPZ:9300180001	1-2
GEN2-it	Fire control panel for connection to 12 VDC supply	BPZ:9300120001	1-2
GEN2-nl	Fire control panel for connection to 12 VDC supply	BPZ:9300190001	1-3

Туре	Description	Order No.	Page
GEN2-no	Fire control panel for connection to 12 VDC supply	BPZ:9300140001	1-2
GEN2-pl	Fire control panel for connection to 12 VDC supply	BPZ:9300090001	1-2
GEN2-se	Fire control panel for connection to 12 VDC supply	BPZ:9300130001	1-2
GEN2	Fire control panel for connection to 12 VDC supply	GEN2	1-2
H23B010	Cover plate for control unit housing	BPZ:4762100001	13-9
H23B020	Cover plate	BPZ:4762780001	7-15
H23B030	Cover plate	BPZ:5238620001	6-17
H23G230	Plastic housing	BPZ:4750910001	8-3, 8-6
H23U230	Recess box for H23G230	BPZ:5328790001	8-3, 8-7
H23Z230	Flush mounting frame	BPZ:5328820001	8-4, 8-7
H26G220	Plastic housing	BPZ:4628000001	7-14
H26T030	Plexiglas door	BPZ:5705300001	7-11, 7- 18
H28G200	Metal housing base	BPZ:4099440001	7-14
H28T110	Cover for metal housing H28G200	BPZ:4749820001	7-14
H28T120	Cover for metal housing H28G200	BPZ:4749950001	7-15
H28Z010	Recess frame	BPZ:4105930001	7-18
H37T030	Inner cabinet front for FC330A-4	BPZ:5340710001	13-6
H38G310	Housing set, door without cutout	BPZ:4849300001	7-9
H38G360	Housing for printer B2Q191	BPZ:5235900001	10-24
HI320A	Heat detector (rate of rise and maximum)	BPZ:5081880001	9-3
HI320C	Heat detector (rate of rise and maximum)	BPZ:5081590001	4-2
HI322A	Heat detector (maximum)	BPZ:5316500001	9-3
HI322C	Heat detector (maximum)	BPZ:5316470001	4-3
HI620A	Heat detector (rate of rise)	BPZ:4860640001	9-6
HI622A	Heat detector (rate of rise and maximum)	BPZ:5007750001	9-6
K3G050	Relay card	BPZ:5129700001	6-7, 6- 18
K3G060	Relay card, 24 NO contacts	BPZ:5287860001	8-6
K3I050	LON/Mimic display converter	BPZ:4967660001	8-4
K3I080	RS232/LON converter	BPZ:5047680001	6-7, 6- 18, 8-2
K3I110	LON input/output card	BPZ:5288120001	8-4
K3K040	RS232 adapter	BPZ:5436190001	13-8
K3L070	VdS interface card	BPZ:5238200001	6-7, 6- 18
K3M010	4 conventional lines expansion card	BPZ:5238170001	6-17
K3M020	12 conventional lines expansion card	BPZ:4984180001	6-17
K3M030	2-loop expansion card	BPZ:5421600001	6-17
K3R072	Mimic display board	BPZ:5286050001	8-5
K3X020	Master board SynoLOOP, 2-loop	BPZ:5421440001	13-6
K3X030	Master board SynoLOOP, 1-loop	BPZ:5432660001	13-6
LE3	Test lamp for flame detectors	BPZ:3669510001	10-7, 10-29
M3C700	USB software dongle	A5Q00004798	7-6
MGEN2	Fire control panel PCB for all languages	BPZ:9300170001	1-3
MT320C	Conventional manual call point for SynoLINE300	MT320C	4-5
MTE320C	Switching unit conventional, without integral LED	A5Q00005577	4-6
MV1	Mounting bracket	BPZ:3950450001	10-6
MWV1	Ball and socket joint	BPZ:3674840001	10-7
OH320A	Smoke detector, analogue/addressable multi-sensor	BPZ:5081750001	9-2
OH320C	Smoke detector, conventional multi-sensor	BPZ:5364190001	4-2
OH620A	Smoke detector, analogue/addressable multi-sensor	BPZ:4860480001	9-5
OP320A	Optical smoke detector	BPZ:5081620001	9-2

Туре	Description	Order No.	Page
OP320C	Optical smoke detector	BPZ:5081460001	4-2
OP620A	Smoke detector, analogue/addressable wide spectrum	BPZ:4860510001	9-5
RE6	Detector tester for smoke detectors	BPZ:3680300001	10-26
RE6T	Detector tester for heat detectors	BPZ:3680270001	10-26
REF8	Test gas can for ionization detectors	A5Q00011687	10-28
REF8-S	Test gas can for optical smoke detectors	A5Q00011688	10-28
RG320	Bellow for RE6	BPZ:5166880001	10-26, 13-15
SB3	Shunt Zener diode barrier	BPZ:4837400001	10-22
SO320	Base for Synova 300 series detectors	BPZ:5085990001	4-3, 9-3
SO620A	Base for auto-addressable Synova 600 series detectors	BPZ:4860800001	9-7, 10- 3
SOA322	Base attachment for surface mounting	BPZ:5358340001	4-3, 9-4
StabexHF	Test lamp for flame detectors 'Ex'	BPZ:4620910001	10-29
TKU2	Surveillance contact	BPZ:2305080001	6-9, 6- 20
TP320	Detector locking device	BPZ:5093100001	4-4, 9-4
TS35_122	U-rail TS35/7.5/122	BPZ:5644780001	6-21, 9- 17, 9- 20, 9-22
UPR28	Recess box	BPZ:4304340001	7-18
XC1001-A	Extinguishing control unit	A6E60500060	3-4
ХС1001-В	Extinguishing control unit (France)	A5Q00018177	3-5
XCA1016	Add-on module	A5Q00016213	3-6
XCA1020	Accessory set for FDCIO	A5Q00025158	3-6
XCE1001	Terminating resistor 3.3 k Ω	A6E60500065	13-4
XCE1001	Trigger element	A5Q00015659	3-6
XCE1002	Fuse 2 A	A5Q00016960	13-4
XCH1001	Cover	A6E60500064	13-5
ХСН1001-В	Cover	A5Q00018564	13-5
XCM1001	Main board	A5Q00023946	13-4
XCM1001-B	Main board	A5Q00025160	13-4
Z1B020	Mounting accessory for E3I020	BPZ:4759070001	7-16
Z1B070	Mounting accessory	A5Q00001720	7-16
Z1K030	Card holder	BPZ:4842310001	7-9
Z2G030	Hinge	BPZ:3781980001	7-15, 10-24
Z3B171	Relay module with 1 contact	BPZ:4843830001	2-3, 2-5, 2-9, 2- 13, 3-7, 6-8, 6- 20, 7- 11, 10- 17, 11- 1, 11-3
Z3B230	Support plate set	BPZ:5590010001	8-4
Z3G280	Mounting plate to FC330A-ECO	BPZ:5661460001	6-7
Z3G290	19" adapter set for FC330A-ECO	BPZ:5661590001	6-8
Z3G300	Mounting plate for remote transmission version CH	BPZ:5776720001	6-7, 6- 18
Z3I1000	Power supply set	BPZ:5593440001	6-18
Z3I1020	Battery extension set	BPZ:576000001	6-19
Z3I1050	Connection cable 19 conductors	A5Q00004717	7-8
Z3I1060	Terminal block	A5Q00004722	7-9
Z3I380	I-bus connection cable	BPZ:4755670001	7-9

Туре	Description	Order No.	Page
Z3I410	Installation set	BPZ:4837660001	10-22
Z3I470	Cable set	BPZ:4843410001	7-10
Z3I481	Cable set	BPZ:4911850001	7-18
Z3I520	Cable set, 12x2-core cables, 0.5 m	BPZ:4849690001	8-5
Z3I530	Adapter flat cable -> terminals	BPZ:4849720001	7-17, 8- 5
Z3I830	Mounting plate	BPZ:5136650001	6-17
Z3S020	Key switch module 'Nordic access key'	BPZ:4840820001	6-7, 6- 20
Z3S030	Key switch module like-keyed concept	BPZ:4840950001	6-8, 6- 20
Z3S060	LCD with cable and plug	BPZ:5229570001	13-7
Z3S130	LCD with cable and plug	BPZ:5433760001	13-7
Z3S140	LCD with cable and plug	BPZ:5436480001	13-7
Z3S150	LCD with cable and plug	BPZ:5436510001	13-7
Z3S200	Key switch module	BPZ:5703490001	7-11, 7- 18
Z5B710	Inscription set 'Nordic' for B3Q580	BPZ:5104480001	8-3
Z5B720	Inscription set 'Europe' for B3Q580	BPZ:5104510001	8-3
Z5B730	Inscription set 'Nordic' for B3Q590/595	BPZ:5104640001	8-3
Z5B740	Inscription set 'Europe' for B3Q590/95	BPZ:5104770001	8-3
Z5B750	Inscription set 'CH' for B3Q590/95	BPZ:5105740001	8-3
ZS/AGN24.5	Adapter base	BPZ:4242620001	11-1, 11-3
ZUCI 1110	Accessory set to FC330A	BPZ:5136940001	13-7

ASQ00001644 Protective cover FDMC291 44-6, 5 ASQ00001720 Meuning accessory Z18070 7 ASQ00001720 Replacement glass FDMG291 13 ASQ00002127 Housing red with key FDMH291-R 4-5, 5 ASQ00004152 Battery (12 V, 1.2 Ah) ASQ00004152 12 ASQ00004470 Electronic unit collective (double action) DMA1103D 5-9, 1 ASQ00004471 Electronic unit collective (double action) DMA1133D 9 ASQ00004478 Screwed cable gland M20 x 1.5 ASQ00004478 4-6, 5 ASQ00004479 Back nut M20 x 1.5 ASQ00004478 4-6, 5 ASQ0000479 Back nut M20 ASQ00004479 4-6, 5 7-6 ASQ00004717 Connection cable 19 conductors 2311050 7 ASQ00004719 Condict operating terminal for fire detection system FC700A B302700 7 ASQ00004719 Condict operating terminal for fire detection system FC700A FCA725 7-6 ASQ0000473 4-1-160 graining terminal for fire detection system FC700A FCA725	Order No.	Description	Туре	Page
AS00001720 Mounting accessory 218070 7 AS000002172 Replacement glass FDME291 13 AS000002217 Housing red with key FDME291.R 45,5 AS00000152 Battery (12 V, 1, 2 Ah) AS000004152 12 AS000004170 Electronic unit collective (double action) DMA1103D 5-9,1 AS000004470 Electronic unit Syncl.OOP (double action) DMA1133D 9 AS000004471 Electronic unit Syncl.OOP (double action) DMA1133D 9 AS000004478 Screwed cable gland M20 x 1.5 AS000004478 45,5 AS000004479 Back nut M20 AS00004479 46,5 AS000004479 Back nut M20 AS00004479 46,5 AS000004717 Connection cable 19 conductors 2311050 7 AS000004719 Confort operating pareliminal for fire detection system FC700A B302700 7 AS000004719 Confort operating terminal bock 2311060 7 AS000004719 Confort operating terminal for fire detection system FC700A FCA725 7-6 AS000004719	A5Q00001643	Cover with key	FDMK291	13-10
ASQ00002122 Replacement glass FDMC291 13- ASQ00002217 Housing red with key FDM291-R 45, 5 ASQ00004152 Battery (12 V, 1, 2 Ah) ASQ00004152 12 ASQ00004470 Electronic unit collective (double action) DMA1103D 5-9, 1 ASQ00004470 Electronic unit SynoLOOP (double action) DMA1133D 9- ASQ00004478 Screwed cable gland M20 x 1.5 ASQ00004478 4-6, 5 ASQ00004478 Screwed cable gland M20 x 1.5 ASQ00004478 5-7, 10, 10, 10, 10, 10, 10, 10, 10, 10, 10	A5Q00001644	Protective cover	FDMC291	4-6, 5-7, 9-12
ASQ00002217 Housing red with key FDMH291-R 4-5-5 ASQ00004152 Battery (12 V, 1.2 Ah) ASQ00004152 11 ASQ00004419 Door with operating panel for FC330A-ECO ASQ00004419 13 ASQ00004470 Electronic unit collective (double action) DMA1133D 9- ASQ00004471 Electronic unit Synol OOP (double action) DMA1133D 4-6- ASQ00004478 Screwed cable gland M20 x 1.5 ASQ00004478 4-6-5 ASQ00004478 Screwed cable gland M20 x 1.5 ASQ00004478 4-6-5 ASQ00004479 Back nut M20 ASQ00004479 4-6-5 ASQ00004479 Back nut M20 ASQ00004479 4-6-5 ASQ00004779 Connection cable 19 conductors Z311050 7 ASQ00004779 Connection cable 19 conductors Z311050 7 ASQ00004779 UB ack nut M20 ASQ0000473 4-1-5 ASQ00004774 4-1-16 kop analogue addressable control panel FC700A 7 ASQ00004738 UB 8 oftware dongle M3C700 7 ASQ00004738 UB 8 oftwa	A5Q00001720	Mounting accessory	Z1B070	7-16
ASQ00004152 Battery (12 V, 1, 2, Ah) ASQ0000419 ASQ0000419 ASQ00004470 Electronic unit collective (double action) DMA1103D 5-9, 1 ASQ00004470 Electronic unit collective (double action) DMA1103D 5-9, 1 ASQ00004471 Electronic unit SynoLOOP (double action) DMA1133D 9 ASQ00004478 Screwed cable gland M20 x 1.5 ASQ00004478 4-6, 5 ASQ00004479 Back nut M20 x 1.5 ASQ00004478 4-6, 5 ASQ00004479 Back nut M20 ASQ00004479 4-6, 5 ASQ00004479 Back nut M20 ASQ00004479 4-6, 5 ASQ00004479 Back nut M20 ASQ00004479 4-6, 5 ASQ00004717 Connection cable 19 conductors 2311050 7 ASQ00004719 Comfort operating terminal for fire detection system FC700A 830200 7 ASQ00004734 4-1, 15 log analogue addressable control panel FC700A 7 ASQ00004833 Spanish inscription stripes for FC700A FCA725 7-6, 6 ASQ00004835 Polish inscription stripes for FC700A FCA785 7-6, 7 <td>A5Q00002122</td> <td>Replacement glass</td> <td>FDMG291</td> <td>13-10</td>	A5Q00002122	Replacement glass	FDMG291	13-10
A5000004419 Door with operating panel for FC330A.ECO A5000004419 13 A5000004470 Electronic unit collective (double action) DMA1103D 5-9, 1 A5000004471 Electronic unit SynoLOOP (double action) DMA1133D 9 A5000004478 Screwed cable gland M20 x 1.5 A5000004478 5-7, 10, 13, 9 A5000004479 Back nut M20 1.5 A5000004478 5-7, 10, 13, 9 A5000004479 Back nut M20 A5000004479 4-6, 5 5-7, 10, 13, 9 A5000004479 Back nut M20 A5000004479 4-6, 5 10-2, 10, 10, 10, 10, 10, 10, 10, 10, 10, 10	A5Q00002217	Housing red with key	FDMH291-R	4-5, 5-6, 9-11
ASQ00004470 Electronic unit collective (double action) DMA1103D 5-9, 1 ASQ00004471 Electronic unit SynoLOOP (double action) DMA1133D 9- ASQ00004478 Screwed cable gland M20 x 1.5 ASQ00004478 4-6, 5 ASQ00004479 Screwed cable gland M20 x 1.5 ASQ00004478 4-6, 5 ASQ00004479 Back nut M20 ASQ00004479 4-6, 5 ASQ00004479 Back nut M20 ASQ00004479 4-6, 5 ASQ00004479 Connection cable 19 conductors Z311050 7 ASQ00004717 Connection cable 19 conductors Z311050 7 ASQ00004722 Terminal bock Z311050 7 ASQ00004734 4 16-100 panalogue addressable control panel FC700A-1 7 ASQ00004738 USB software dongle M3700 7 7-6, ASQ00004734 Halian inscription stripes for FC700A FCA725 7-6, ASQ00004738 USB software dongle M3700 7 ASQ00004734 Halian inscription stripes for FC700A FCA725 7-6, ASQ00004798 USB software dongle M32700 7	A5Q00004152	Battery (12 V, 1.2 Ah)	A5Q00004152	12-1
A5Q00004471 Electronic unit SynoLOOP (double action) DMA1133D 9- A5Q00004478 Screwed cable gland M20 x 1.5 A5Q00004478 4-6, 5 57, 10, 13, 9 9-12, 15, 15, 10, 13, 9 9-12, 15, 15, 10, 13, 10, 13, 10, 13, 10, 13, 10, 13, 10, 13, 10, 13, 10, 13, 10, 13, 10, 13, 10, 13, 10, 13, 10, 13, 10, 13, 10, 13, 10, 13, 10, 13, 10, 10, 13, 10, 10, 10, 10, 10, 10, 10, 10, 10, 10	A5Q00004419	Door with operating panel for FC330A-ECO	A5Q00004419	13-6
A5Q00004478 Screwed cable gland M20 x 1.5 A5Q00004478 4-6, 5 A5Q00004478 Screwed cable gland M20 x 1.5 A5Q00004478 4-6, 5 A5Q00004479 Back nut M20 A5Q00004479 4-6, 5 A5Q00004479 Back nut M20 A5Q00004479 4-6, 5 A5Q00004717 Connection cable 19 conductors Z311050 7 A5Q00004719 Comfort operating terminal for fire detection system FC700A B3Q700 7 A5Q00004719 Comfort operating terminal for fire detection system FC700A B3Q700 7 A5Q00004734 4 16-loop analogue addressable control panel FC700A-1 7 A5Q00004738 USB software dongle M3C700 7 A5Q00004734 4 16-loop analogue addressable control panel FC70A-1 7 A5Q00004738 USB software dongle M3C700 7 6 A5Q00004734 4 16-loop analogue addressable control panel FC70A-1 7 A5Q00004738 USB software dongle M3C700 7 6 A5Q00004799 Housing plue with key FDLU291 10-1 10-1 10-1 10-1 1 10-1	A5Q00004470	Electronic unit collective (double action)	DMA1103D	5-9, 10- 17
57, 10, 13, 913, 991, 12, 15, 18, 18, 12, 11, 23, 18, 18, 14, 12, 14, 23, 16, 10, 10, 10, 10, 10, 10, 10, 10, 10, 10	A5Q00004471	Electronic unit SynoLOOP (double action)	DMA1133D	9-14
A5Q00004479Back nut M20A5Q000044794-6, 5 9A5Q00004717Connection cable 19 conductorsZ3110507A5Q00004719Comfort operating terminal for fire detection system FC700AB3Q7007A5Q00004722Terminal blockZ3110607A5Q000047344 16-loop analogue addressable control panelFC700A-17A5Q00004798USB software dongleM3C7007A5Q00004833Spanish inscription stripes for FC700AFCA7257-6,A5Q00004834Italian inscription stripes for FC700AFCA7757-6,A5Q00004835Polish inscription stripes for FC700AFCA7857-6,A5Q00004905Adjustment device set for linear smoke detectorFDLU29110-110-10-10-10-10-A5Q00004980Housing blue with keyFDMH291-Y4-5, 59-A5Q00004990Adapter cableFDUD292-A13-9-A5Q00004990Adapter cableFDUD292-A13-9-A5Q00004997Telescope rodFDUM29110-10-A5Q00004997Telescope rodFDUM29210-A5Q00005578Collective MCP switching moduleDMA11015-A5Q00005579Auto-addressable MCP switching moduleDMA11319-	A5Q00004478	Screwed cable gland M20 x 1.5	A5Q00004478	4-6, 5-3, 5-7, 5- 10, 5- 13, 9-8, 9-12, 9- 15, 9- 18, 9- 21, 9- 23, 9- 25, 10- 6, 10-9, 10-16, 10-18, 10-20,
ASQ00004717Connection cable 19 conductorsZ3110507ASQ00004719Comfort operating terminal for fire detection system FC700AB3Q7007-ASQ00004722Terminal blockZ3110507ASQ000047344 16-loop analogue addressable control panelFC700A-17ASQ00004798USB software dongleM3C7007ASQ00004833Spanish inscription stripes for FC700AFCA7257-6,ASQ00004834Italian inscription stripes for FC700AFCA7757-6,ASQ00004835Polish inscription stripes for FC700AFCA7857-6,ASQ00004905Adjustment device set for linear smoke detectorFDLU29110-1ASQ00004979Housing yellow with keyFDMH291-Y4-5, 5ASQ00004980Housing blue with keyFDMH291-B4-6, 5ASQ00004981Housing green with keyFDMH291-G4-5, 9ASQ00004990Adapter cableFDUM29110-ASQ00004997Telescope rodFDUM29110-ASQ00004997Telescope rodFDUM29110-ASQ00004997Telescope rodFDUM29110-ASQ00004997Telescope rodFDUM29110-ASQ00004997Telescope rodFDUM29210-ASQ00004997Telescope rodFDUM29210-ASQ00005577Switching unit conventional, without integral LEDMTE320C4ASQ00005579Auto-addressable MCP switching moduleDMA11319-	A5Q00004479	Back nut M20	A5Q00004479	10-22 4-6, 5-7,
A5Q00004719Comfort operating terminal for fire detection system FC700AB3Q7007-A5Q00004722Terminal blockZ3I106077A5Q000047344 16-loop analogue addressable control panelFC700A-177A5Q00004798USB software dongleM3C70077A5Q00004833Spanish inscription stripes for FC700AFCA7257-6,A5Q00004834Italian inscription stripes for FC700AFCA7757-6,A5Q00004835Polish inscription stripes for FC700AFCA7857-6,A5Q00004835Polish inscription stripes for FC700AFCA7857-6,A5Q00004905Adjustment device set for linear smoke detectorFDLU29110-1A5Q00004979Housing yellow with keyFDMH291-Y4-5, 5A5Q00004980Housing green with keyFDMH291-G4-5, 5A5Q00004990Adapter cableFDUD292-A13-A5Q00004990Adapter cableFDUM29110-A5Q00004997Telescope rodFDUM29110-A5Q00004997Telescope rodFDUM29210-A5Q0000577Switching unit conventional, without integral LEDMTE320C4A5Q00005578Collective MCP switching moduleDMA11015	4500004717	Connection cable 19 conductors	7311050	9-12 7-8
ASQ00004722Terminal blockZ3I10607ASQ000047344 16-loop analogue addressable control panelFC700A-17ASQ00004798USB software dongleM3C7007ASQ00004833Spanish inscription stripes for FC700AFCA7257-6,ASQ00004834Italian inscription stripes for FC700AFCA7757-6,ASQ00004835Polish inscription stripes for FC700AFCA7857-6,ASQ00004905Adjustment device set for linear smoke detectorFDLU29110-10-10-10-10-10-10-10-10-10-10-10-10-1				7-13
ASQ000047344 16-loop analogue addressable control panelFC700A-17ASQ00004798USB software dongleM3C7007ASQ00004833Spanish inscription stripes for FC700AFCA7257-6,ASQ00004834Italian inscription stripes for FC700AFCA7757-6,ASQ00004835Polish inscription stripes for FC700AFCA7857-6,ASQ00004905Adjustment device set for linear smoke detectorFDLU29110-1ASQ00004979Housing yellow with keyFDMH291-Y4-5, 5ASQ00004980Housing blue with keyFDMH291-B4-6, 5ASQ00004990Adapter cableFDUD292-A13-ASQ00004990Adapter cableFDUM29110-ASQ00004997Telescope rodFDUM29110-ASQ00005137EPR0M set for FG700ACKQ0077ASQ00005577Switching unit conventional, without integral LEDMTE320C4ASQ00005579Auto-addressable MCP switching moduleDMA11319-				7-9
A5Q00004798USB software dongleM3C7007A5Q00004833Spanish inscription stripes for FC700AFCA7257-6,A5Q00004834Italian inscription stripes for FC700AFCA7757-6,A5Q00004835Polish inscription stripes for FC700AFCA7857-6,A5Q00004905Adjustment device set for linear smoke detectorFDLU29110-1A5Q00004979Housing yellow with keyFDMH291-Y4-5, 5A5Q00004980Housing blue with keyFDMH291-B4-6, 5A5Q00004981Housing green with keyFDUD292-A13-A5Q00004990Adapter cableFDUD29110-A5Q00004997Telescope rodFDUM29110-A5Q00005137EPROM set for FG700ACKQ0077A5Q00005137Collective MCP switching moduleDMA11015A5Q00005579Auto-addressable MCP switching moduleDMA11319-				7-5
A5Q00004833Spanish inscription stripes for FC700AFCA7257-6,A5Q00004834Italian inscription stripes for FC700AFCA7757-6,A5Q00004835Polish inscription stripes for FC700AFCA7857-6,A5Q00004905Adjustment device set for linear smoke detectorFDLU29110-1A5Q00004979Housing yellow with keyFDMH291-Y4-5, 5,A5Q00004980Housing blue with keyFDMH291-B4-6, 5,A5Q00004981Housing green with keyFDMH291-G4-5, 5,A5Q00004990Adapter cableFDUD292-A13-A5Q00004997Telescope rodFDUM29110-A5Q00005137EPROM set for FG700ACKQ0077A5Q0005577Switching unit conventional, without integral LEDMTE320C4A5Q00005578Collective MCP switching moduleDMA11015A5Q0005579Auto-addressable MCP switching moduleDMA11319-				7-6
ASQ00004834Italian inscription stripes for FC700AFCA7757-6,A5Q00004835Polish inscription stripes for FC700AFCA7857-6,A5Q00004905Adjustment device set for linear smoke detectorFDLU29110-1A5Q00004979Housing yellow with keyFDMH291-Y4-5, 5,A5Q00004980Housing blue with keyFDMH291-B4-6, 5,A5Q00004981Housing green with keyFDMH291-G4-5, 5,A5Q00004990Adapter cableFDUD292-A13-A5Q00004997Telescope rodFDUM29110-A5Q00004997Telescope rodFDUM29210-A5Q00005137EPROM set for FG700ACKQ0077A5Q0005577Switching unit conventional, without integral LEDMTE320C4A5Q00005578Collective MCP switching moduleDMA11319-		•		7-6, 7-
A5Q00004835Polish inscription stripes for FC700AFCA7857-6,A5Q00004905Adjustment device set for linear smoke detectorFDLU29110-1A5Q00004979Housing yellow with keyFDMH291-Y4-5, 5,A5Q00004980Housing blue with keyFDMH291-B4-6, 5,A5Q00004981Housing green with keyFDMH291-G4-5, 5,A5Q00004990Adapter cableFDUD292-A13-A5Q00004990Adapter cableFDUM29110-A5Q00004997Telescope rodFDUM29110-A5Q00005137EPROM set for FG700ACKQ0077A5Q00005577Switching unit conventional, without integral LEDMTE320C44A5Q00005578Collective MCP switching moduleDMA11015A5Q00005579Auto-addressable MCP switching moduleDMA11319-	72600000	Spanish inscription stripes for Levoor	TCAZ	14
A5Q00004905Adjustment device set for linear smoke detectorFDLU29110-1 10-1 10-1A5Q00004979Housing yellow with keyFDMH291-Y4-5, 5 9-A5Q00004980Housing blue with keyFDMH291-B4-6, 5, 5 9-A5Q00004981Housing green with keyFDMH291-G4-5, 5, 5 9-A5Q00004990Adapter cableFDUD292-A13- 10-A5Q00004996Telescope rodFDUM29110- 10-A5Q00004997Telescope rodFDUM29210- 10-A5Q00005137EPROM set for FG700ACKQ0077 7 A5Q00005577Switching unit conventional, without integral LEDMTE320CA5Q00005578Collective MCP switching moduleDMA11015 9-A5Q00005579Auto-addressable MCP switching moduleDMA11319-	A5Q00004834	Italian inscription stripes for FC700A	FCA775	7-6, 7- 14
A5Q00004979Housing yellow with keyFDMH291-Y4-5, 5A5Q00004980Housing blue with keyFDMH291-B4-6, 5, 5A5Q00004981Housing green with keyFDMH291-G4-5, 5, 5A5Q00004990Adapter cableFDUD292-A13-A5Q00004996Telescope rodFDUM29110-A5Q00004997Telescope rodFDUM29210-A5Q00005137EPROM set for FG700ACKQ0077A5Q0005577Switching unit conventional, without integral LEDMTE320C4A5Q0005578Collective MCP switching moduleDMA11015A5Q0005579Auto-addressable MCP switching moduleDMA11319-	A5Q00004835	Polish inscription stripes for FC700A	FCA785	7-6, 7- 14
A5Q00004980Housing blue with keyFDMH291-B4-6, 5- 9-A5Q00004981Housing green with keyFDMH291-G4-5, 5- 9-A5Q00004990Adapter cableFDUD292-A13-A5Q00004996Telescope rodFDUM29110-A5Q00004997Telescope rodFDUM29210-A5Q00005137EPROM set for FG700ACKQ0077A5Q00005577Switching unit conventional, without integral LEDMTE320C44A5Q00005579Auto-addressable MCP switching moduleDMA11019-	A5Q00004905	Adjustment device set for linear smoke detector	FDLU291	10-10, 10-29
A5Q00004981 Housing green with key FDMH291-G 4-5, 5- 9- A5Q00004990 Adapter cable FDUD292-A 13- A5Q00004996 Telescope rod FDUM291 10- A5Q00004997 Telescope rod FDUM292 10- A5Q00005137 EPROM set for FG700A CKQ007 77 A5Q00005577 Switching unit conventional, without integral LED MTE320C 4 A5Q00005578 Collective MCP switching module DMA1101 55 A5Q00005579 Auto-addressable MCP switching module DMA1131 9-	A5Q00004979	Housing yellow with key	FDMH291-Y	4-5, 5-6, 9-11
A5Q00004990Adapter cableFDUD292-A13-A5Q00004996Telescope rodFDUM29110-A5Q00004997Telescope rodFDUM29210-A5Q00005137EPROM set for FG700ACKQ0077A5Q00005577Switching unit conventional, without integral LEDMTE320C4A5Q00005578Collective MCP switching moduleDMA11015A5Q00005579Auto-addressable MCP switching moduleDMA11319-	A5Q00004980	Housing blue with key	FDMH291-B	4-6, 5-7, 9-12
A5Q00004996Telescope rodFDUM29110-A5Q00004997Telescope rodFDUM29210-A5Q00005137EPROM set for FG700ACKQ0077A5Q00005577Switching unit conventional, without integral LEDMTE320C4A5Q00005578Collective MCP switching moduleDMA11015A5Q00005579Auto-addressable MCP switching moduleDMA11319-	A5Q00004981	Housing green with key	FDMH291-G	4-5, 5-6, 9-11
A5Q00004997Telescope rodFDUM29210-A5Q00005137EPROM set for FG700ACKQ0077A5Q00005577Switching unit conventional, without integral LEDMTE320C4A5Q00005578Collective MCP switching moduleDMA11015A5Q00005579Auto-addressable MCP switching moduleDMA11319-	A5Q00004990	Adapter cable	FDUD292-A	13-14
A5Q00004997Telescope rodFDUM29210-A5Q00005137EPROM set for FG700ACKQ0077A5Q00005577Switching unit conventional, without integral LEDMTE320C4A5Q00005578Collective MCP switching moduleDMA11015A5Q00005579Auto-addressable MCP switching moduleDMA11319-			FDUM291	10-27
A5Q00005137EPROM set for FG700ACKQ0077A5Q00005577Switching unit conventional, without integral LEDMTE320C4A5Q00005578Collective MCP switching moduleDMA11015A5Q00005579Auto-addressable MCP switching moduleDMA11319-				10-27
A5Q00005577Switching unit conventional, without integral LEDMTE320C4A5Q00005578Collective MCP switching moduleDMA11015A5Q00005579Auto-addressable MCP switching moduleDMA11319-	A5Q00005137	-		7-8
A5Q00005578Collective MCP switching moduleDMA11015A5Q00005579Auto-addressable MCP switching moduleDMA11319-				4-6
A5Q00005579 Auto-addressable MCP switching module DMA1131 9-				5-7
· · · · · · · · · · · · · · · · · · ·		-		9-12
	A5Q00006540	Adjustment device for FDLU291	FDLU291	13-14

Order No.	Description	Туре	Page
A5Q00006735	Locking plug M20 x 1.5 (1 hole)	A5Q00006735	5-10, 9-
			15, 10-
			18
A5Q00008436	Line connection set	FDUL221-A	13-14
A5Q00008437	Mains adapter set	FDUL221-B	13-14
A5Q00008438	PC cable (RS232)	FDUL221-C	13-14
A5Q00009786	Adapter with lever, screw and nut incl. attachment and bushing screw	A5Q00009786	13-15
A5Q00009787	Lever with screw and nut	A5Q00009787	13-15
A5Q00009788	Small flap with screw and nut	A5Q00009788	13-15
A5Q00009789	Large flap with screw and nut	A5Q00009789	13-15
A5Q00010055	Locking plug M20 x 1.5 (2 holes)	A5Q00010055	5-10, 9- 15, 10- 18
A5Q00011687	Test gas can for ionization detectors	REF8	10-28
A5Q00011688	Test gas can for optical smoke detectors	REF8-S	10-28
A5Q00012607	Language set Dutch for FC330A	FCA165	6-6
A5Q00012621	Dutch inscription stripes for FC700A	FCA765	7-6, 7-
			14
A5Q00012730	Czech inscription stripes for FC700A	FCA835	7-6, 7- 14
A5Q00013021	2-loop fire control panel, analogue, auto-addressing	FC330A-NL	6-14
A5Q00014230	Language set Portuguese for FC330A	FCA275	6-7
A5Q00014486	Emergency stop button complete (blue)	DM1103-S	5-11
A5Q00015659	Trigger element	XCE1002	3-6
A5Q00016213	Add-on module	XCA1016	3-6
A5Q00016960	Fuse 2 A	XCE1003	13-4
A5Q00017630	Manual release button complete (yellow)	DM1103-L	5-10
A5Q00018177	Extinguishing control unit (France)	XC1001-B	3-5
A5Q00018564	Cover	XCH1001-B	13-5
A5Q00019674	Battery (12 V, 4.5 Ah)	FA2010-A1	12-1
A5Q00021362	Air sampling smoke detection kit	FDBZ292	10-1
A5Q00021363	Air flow tube 0.6 m	FDBZ292-AA	10-3
A5Q00021364	Air flow tube 1.5 m	FDBZ292-AB	10-3
A5Q00021366	Air flow tube 2.8 m	FDBZ292-AC	10-3
A5Q00021367	Sealing kit for air flow tubes	FDBZ292-AD	10-4
A5Q00021369	Mounting bracket	FDBZ292-AF	10-4
A5Q00023946	Main board	XCM1001	13-4
A5Q00025158	Accessory set for FDCIO	XCA1020	3-6
A5Q00025160	Main board	XCM1001-B	13-4
A6E60500000	2-zone conventional unit (Standard)	FC1002-A	2-2
A6E60500001	2-zone conventional unit (Head removal monitoring)	FC1002-B	2-2
A6E60500002	2-zone conventional unit (Nordic)	FC1002-C	2-2
A6E60500003	4-zone conventional unit (Standard)	FC1004-A	2-4
A6E60500004	4-zone conventional unit (Head removal monitoring)	FC1004-B	2-4
A6E60500005	4-zone conventional unit (Nordic)	FC1004-C	2-4
A6E60500006	4-zone conventional unit (NL)	FC1004-E	2-4
A6E60500007	8-zone conventional unit (Standard)	FC1008-A	2-6
A6E60500008	8-zone conventional unit (Head removal monitoring)	FC1008-B	2-6
A6E60500009	8-zone conventional unit (Nordic)	FC1008-C	2-6
A6E60500010	8-zone conventional unit (CH)	FC1008-D	2-7
A6E60500011	8-zone conventional unit (Evacuation)	FC1008-E	2-7
A6E60500012	8-zone conventional unit (VdS)	FC1008-F	2-7
A6E60500014	12-zone conventional unit (Standard)	FC1012-A	2-10

Order No.	Description	Туре	Page
A6E60500015	12-zone conventional unit (Head removal monitoring)	FC1012-B	2-10
A6E60500016	12-zone conventional unit (Nordic)	FC1012-C	2-10
A6E60500017	12-zone conventional unit (CH)	FC1012-D	2-11
A6E60500018	12-zone conventional unit (VdS)	FC1012-F	2-11
A6E60500019	12-zone conventional expansion unit	FC1024-A	2-11
A6E60500020	Line extension card 4-zones	FCA1001	13-1
A6E60500021	Display unit	FCA1002	2-8, 2- 12
A6E60500022	Sounder control card	FCA1003	2-8, 2- 12
A6E60500023	Line extension card SST	FCA1004-F	2-9, 2- 13
A6E60500024	RT-isolation card	FCA1005-D	2-8, 2- 12, 3-6
A6E60500025	RS232 adapter	FCA1006-F	2-8, 2- 12
A6E60500026	Key switch kit	FCA1007	2-3, 2-5, 2-9, 2- 13, 3-7
A6E60500027	Add-on line card	FCA1007-B	2-8, 2- 12, 13-1
A6E60500028	VdS card (Germany)	FCA1008-F	13-1
A6E60500029	EVAC module	FCA1009-E	13-1
A6E60500030	Connection set 24 zones	FCA1010	13-1
A6E60500031	EOL resistor 3.9 k Ω (set of 10 pcs.)	FCE1001	13-1
A6E60500032	Termination element, control line	FCE1002	13-1, 13-4
A6E60500033	EOL element for head removing monitoring	FCE1003-B	13-1
A6E60500034	EOL element for creeping short circuit monitoring	FCE1004-F	13-3
A6E60500035	Cover for the FC1002-A, -B, -C	FCH1002	13-2
A6E60500036	Cover for the FC1004-A, -B, -C	FCH1004	13-2
A6E60500037	Cover for the FC1004-E	FCH1004-E	13-2
A6E60500038	Cover for the FC1008-A, -B, -C	FCH1008	13-2
A6E60500039	Cover for the FC1008-D	FCH1008-D	13-2
A6E60500040	Cover for the FC1008-E	FCH1008-E	13-2
A6E60500041	Cover for the FC1008-F	FCH1008-F	13-2
A6E60500043	Cover for the FC1012-A, -B, -C	FCH1012	13-2
A6E60500044	Cover for the FC1012-D	FCH1012-D	13-2
A6E60500045	Cover for the FC1012-F	FCH1012-F	13-2
A6E60500046	Cover for the FC1024-A	FCH1024	13-2
A6E60500047	Main board 2-zones	FCM1002	13-2
A6E60500048	Main board 4-zones	FCM1004	13-2
A6E60500049	Main board for 8-zone units	FCM1008	13-3
A6E60500050	Main board for 8-zone units (Switzerland)	FCM1008-D	13-3
A6E60500051	Power supply card 8/12-zone units	FCP1001	13-3
A6E60500052	Transformer for 2/4-zone units	FCP1002	13-3
A6E60500053	Transformer for 8/12-zone units	FCP1003	13-3
A6E60500054	Power supply 3.5 A	FCP1004-E	2-8, 2- 12, 13-4
A6E60500055	Interface card SST	FCA1000-FF	2-8, 2- 12
A6E60500060	Extinguishing control unit	XC1001-A	3-4
A6E60500060 A6E60500064	Extinguishing control unit Cover	XC1001-A XCH1001	3-4 13-5

_

Order No.	Description	Туре	Page
A6E60500068	Universal accessory bag	FCA1013	13-1
ABI320A	Auto-addressable input / output module	ABI320A	9-23
BPZ:2254870001	Battery (12 V, 27 Ah)	AX1201	12-2
BPZ:2305080001	Surveillance contact	TKU2	6-9, 6- 20
BPZ:2473130001	Washer	BPZ:2473130001	10-20
BPZ:2522560001	Battery (12 V, 7.2 Ah)	AX1204	12-1
BPZ:2613600001	Battery (12 V, 1.2 Ah)	AX1203	12-1
BPZ:2785020001	Mallory buzzer	AGS24.5	11-2
BPZ:2785440001	Alarm indicator, model for recess mounting	AJUT24-Ex	10-20
BPZ:3048160001	BPZ:3048160001	BPZ:3048160001	10-20, 13-13
BPZ:3169430001	Adapter frame for alarm indicator	AI330	4-7, 5- 12, 9- 16, 10- 19
BPZ:3669510001	Test lamp for flame detectors	LE3	10-7, 10-29
BPZ:3674840001	Ball and socket joint	MWV1	10-7
BPZ:3679630001	Halogen lamp 12 V / 50 W	BPZ:3679630001	13-13
BPZ:3680270001	Detector tester for heat detectors	RE6T	10-26
BPZ:3680300001	Detector tester for smoke detectors	RE6	10-26
BPZ:3781980001	Hinge	Z2G030	7-15, 10-24
BPZ:3799770001	Spare paper rolls	BPZ:3799770001	13-13
BPZ:3950450001	Mounting bracket	MV1	10-6
BPZ:4092900001	Front frame 19"	G2F031	10-24
BPZ:4099440001	Metal housing base	H28G200	7-14
BPZ:4105930001	Recess frame	H28Z010	7-18
BPZ:4242620001	Adapter base	ZS/AGN24.5	11-1, 11-3
BPZ:4304340001	Recess box	UPR28	7-18
BPZ:4478380001	Bellow for RE6	DZZ1190	13-15
BPZ:4540830001	Base attachment for surface mounting	DBZ1191	5-2, 9-7, 10-13
BPZ:4585260001	Locking device	DBZ1190	5-5, 9- 10
BPZ:4588140001	Base attachment for humid environment	DBZ1192	5-3, 9-8
BPZ:4588560001	Housing (empty)	DCA1191	5-13, 9- 17, 9- 20, 9- 22, 9- 24, 10- 20-21
BPZ:4602390001	RS232 module	E3I020	7-8, 7- 16
BPZ:4602550001	Control module with 8 volt-free contacts	E3G050	7-7
BPZ:4602680001	Collective line module	E3M080	7-7
BPZ:4620910001	Test lamp for flame detectors 'Ex'	StabexHF	10-29
BPZ:4628000001	Plastic housing	H26G220	7-14
BPZ:4677080001	Micro terminal 0.5 mm², 4-pole	DBZ1190-AA	5-4, 9-9, 9-19, 9- 24–25, 10-14, 10-22
BPZ:4677110001	Protective cage	DBZ1194	5-3, 9-8

Order No.	Description	Туре	Page
BPZ:4680660001	Detector base tester	DZB1191	10-28
BPZ:4692010001	Base for linear smoke detector unit DLA1191A	DLB1191A	10-8
BPZ:4705880001	AC/DC converter for auxiliary power supply	B2F020	7-9
BPZ:4749820001	Cover for metal housing H28G200	H28T110	7-14
BPZ:4749950001	Cover for metal housing H28G200	H28T120	7-15
BPZ:4750880001	Adapter plate 19"	G2A130	7-15
BPZ:4750910001	Plastic housing	H23G230	8-3, 8-6
BPZ:4755670001	I-bus connection cable	Z3I380	7-9
BPZ:4755700001	Battery (12 V, 15 Ah)	AX1210	12-1
BPZ:4759070001	Mounting accessory for E3I020	Z1B020	7-16
BPZ:4759940001	VdS control module	E3L030	7-8
BPZ:4762100001	Cover plate for control unit housing	H23B010	13-9
BPZ:4762780001	Cover plate	H23B020	7-15
BPZ:4783440001	Alarm indicator for door frames	DJ1191-Ex	10-19
BPZ:4783570001	Alarm indicator for wall mounting	DJ1192-Ex	10-19
BPZ:4787710001	Reflector for long distance (prism)	DLR1191	10-9
BPZ:4787840001	Reflector for short distance (foil)	DLR1193	10-9
BPZ:4787970001	Detector heating	DLH1191A	10-10
BPZ:4788490001	Reflector for middle distance (foil)	DLR1192	10-9
BPZ:4837400001	Shunt Zener diode barrier	SB3	10-22
BPZ:4837660001	Installation set	Z3I410	10-22
BPZ:4840820001	Key switch module 'Nordic access key'	Z3S020	6-8, 6-
	,		20
BPZ:4840950001	Key switch module like-keyed concept	Z3S030	6-8, 6- 20
BPZ:4842280001	Adapter plate 19"	G2A140	7-16
BPZ:4842310001	Card holder	Z1K030	7-9
BPZ:4843250001	Battery (12 V, 12 Ah)	AX1212	12-1
BPZ:4843410001	Cable set	Z3I470	7-10
BPZ:4843830001	Relay module with 1 contact	Z3B171	2-3, 2-5, 2-9, 2- 13, 3-7, 6-9, 6- 21, 7- 11, 10- 17, 11- 1, 11-3
BPZ:4848880001	Logging printer	B2Q191	10-24
BPZ:4849300001	Housing set, door without cutout	H38G310	7-9
BPZ:4849500001	Cable set, 12x2-core cables, 0.5 m	Z3I520	8-5
BPZ:4849720001	Adapter flat cable -> terminals	Z3I530	7-17, 8-
DFZ:4049720001		251550	-17,8-
BPZ:4851910001	Spare key	DMZ1195	13-10
BPZ:4852140001	Heat detector collective 'Ex'	DT1101A-Ex	10-12
BPZ:4852270001	Heat detector collective 'Ex'	DT1102A-Ex	10-13
BPZ:4860480001	Smoke detector, analogue/addressable multi-sensor	OH620A	9-5
BPZ:4860510001	Smoke detector, analogue/addressable mini-sensor	OP620A	9-5
BPZ:4860640001	Heat detector (rate of rise)	HI620A	9-6
BPZ:4860800001	Base for auto-addressable Synova 600 series detectors	SO620A	9-7, 10- 3
BPZ:4863650001	Base for collective detector series	DB1101A	5-2, 10- 2, 10-13
BPZ:4864330001	Detector designation plate	DBZ1193A	5-5, 9- 10
BPZ:4876360001	Alarm indicator incl. insulating cap	DJ1193	5-12

_

Order No.	Description	Туре	Page
BPZ:4905130001	Parallel indicator panel 2x24 LEDs	B3R051	7-10, 7- 17, 8-6
BPZ:4911850001	Cable set	Z3I481	7-18
BPZ:4926500001	Air duct sampling chamber	DBZ1197A	10-1, 13-11
BPZ:4926630001	Air flow tube for ASD-Duct	DBZ1197-AA	10-3, 13-11
BPZ:4930020001	Smoke detector, collective wide spectrum	DO1101A	5-1
BPZ:4930280001	Alarm indicator (frame mounting)	AI300	5-12, 9- 16
BPZ:4930440001	Alarm indicator (surface mounting)	AI340	5-12, 9- 16
BPZ:4931700001	Heat detector	DT1101A	5-1
BPZ:4931830001	Heat detector	DT1102A	5-1
BPZ:4933030001	Filter for short distances (7 10 m)	DLF1191-AA	10-9
BPZ:4933160001	Filter for short distances (5 8 m)	DLF1191-AB	10-10
BPZ:4940140001	Acoustic base	DBZ1195A	5-4, 9-9
BPZ:4942050001	Spare glass neutral	DMZ1196-AC	13-10
BPZ:4942340001	Connection terminal 2.5 mm ² , 3-pole	DBZ1190-AB	4-3, 5-5, 9-4, 9- 10, 10- 4, 10-14
BPZ:4942920001	Linear smoke detector unit	DLA1191A	10-8
BPZ:4945800001	Smoke detector, collective wide spectrum for SynoLINE600	DO1103A	10-1
BPZ:4952750001	Flat cable micro 12 pin, 0.4 m	F12A100	8-5
BPZ:4952880001	Flat cable micro 12 pin, 1.5 m	F12A470	8-5
BPZ:4961770001	Floor repeater panel	B3Q580	8-2
BPZ:4961800001	Floor repeater panel with control functions, Nordic access key	B3Q590	8-2
BPZ:4967660001	LON/Mimic display converter	K3I050	8-4
BPZ:4984180001	12 conventional lines expansion card	K3M020	6-17
BPZ:4993100001	LON interface	E3I040	7-7, 7- 16, 8-2
BPZ:4995010001	Air flow tube for ASD-Duct	DBZ1197-AB	13-11
BPZ:4995140001	Air flow tube for ASD-Duct	DBZ1197-AC	10-3, 13-11
BPZ:4995270001	Rubber gasket for air flow tubes DBZ1197-AA/AB/AC	DBZ1197-AD	13-11
BPZ:4995300001	Mounting device	DBZ1197-AE	13-12
BPZ:5007750001	Heat detector (rate of rise and maximum)	HI622A	9-6
BPZ:5008010001	Smoke detector, wide spectrum collective 'Ex'	DO1101A-Ex	10-12
BPZ:5009820001	Detector marking	DBZ1193A-AA	5-5, 9- 10
BPZ:5011270001	Base attachment flat for surface mounting	DBZ1191A-AA	5-2, 9-7
BPZ:5016480001	Smoke detector, AnalogPLUS/SynoLOOP wide spectrum	DO1133A	10-2
BPZ:5017870001	Relay base	DBC1191A-AA	5-4, 9-9
BPZ:5047680001	RS232/LON converter	K3I080	6-7, 6- 18, 8-2
BPZ:5052590001	Dual RS232 ITF box	B3D021	7-11, 7- 19
BPZ:5054790001	Battery charging unit	E3C011	7-10, 13-9
BPZ:5081200001	Electronic unit for DC1192	DCA1192A	9-25, 10-21
BPZ:5081460001	Optical smoke detector	OP320C	4-2
BPZ:5081590001	Heat detector (rate of rise and maximum)	HI320C	4-2
BPZ:5081620001	Optical smoke detector	OP320A	9-2

Order No.	Description	Туре	Page
BPZ:5081750001	Smoke detector, analogue/addressable multi-sensor	OH320A	9-2
BPZ:5081880001	Heat detector (rate of rise and maximum)	HI320A	9-3
BPZ:5082560001	Line termination	EOL20	13-7
BPZ:5084500001	Terminal base for DC1192	DCB1192A	9-24, 10-21
BPZ:5085990001	Base for Synova 300 series detectors	SO320	4-3, 9-3
BPZ:5090190001	Manual call point housing green	DMA1192-AD	5-9, 9- 14
BPZ:5090640001	Smoke detector, collective wide spectrum for SynoLINE600	DO1104A	10-2
BPZ:5093100001	Detector locking device	TP320	4-4, 9-4
BPZ:5104480001	Inscription set 'Nordic' for B3Q580	Z5B710	8-3
BPZ:5104510001	Inscription set 'Europe' for B3Q580	Z5B720	8-3
BPZ:5104640001	Inscription set 'Nordic' for B3Q590/595	Z5B730	8-3
BPZ:5104770001	Inscription set 'Europe' for B3Q590/95	Z5B740	8-3
BPZ:5105740001	Inscription set 'CH' for B3Q590/95	Z5B750	8-3
BPZ:5115310001	Line module SynoLOOP	E3M111	7-7
BPZ:5129700001	Relay card	K3G050	6-7, 6- 18
BPZ:5131440001	Spare lock for FC330A	2D97	13-7
BPZ:5136650001	Mounting plate	Z3I830	6-17
BPZ:5136940001	Accessory set to FC330A	ZUCI 1110	13-7
BPZ:5137620001	Connecting ribbon cable for optional key	F02F290	6-8, 6- 20
BPZ:5154140001	Flashing signal lamp 'orange'	ALB24.1OR	11-3
BPZ:5154270001	Flashing signal lamp 'red'	ALB24.1R	11-3
BPZ:5162220001	Line termination	EOL22(EX)	10-22, 13-7
BPZ:5162350001	Commissioning module	CDM320	10-28
BPZ:5163030001	Alarm indicator (frame mounting)	AI320	4-7
BPZ:5163160001	Alarm indicator (surface mounting)	AI322	4-7, 5- 12
BPZ:5165360001	Base for infrared flame detector	DFB1190	10-6, 10-15
BPZ:5166590001	Infrared flame detector unit	DF1191	10-5
BPZ:5166620001	Infrared flame detector unit	DF1192	10-5
BPZ:5166750001	Infrared flame detector unit collective 'Ex'	DF1101-EX	10-15
BPZ:5166880001	Bellow for RE6	RG320	10-26, 13-15
BPZ:5167850001	Detector heating	DBZ1190A-AC	5-5, 9- 10
BPZ:5169180001	Electronic unit to ABI320A input/output module	ABIS320A	9-23
BPZ:5169500001	Housing with terminal base for ABI320A input/output module	ABIG320A	9-18, 9- 23
BPZ:5221480001	Filter against external light influences	DLF1191-AC	10-10
BPZ:5222870001	Manual call point housing red	DMA1192-AA	5-8, 9- 13, 10- 17
BPZ:5223550001	Protective cover	DMZ1197-AC	5-10, 9- 15, 10- 18
BPZ:5226270001	Mounting plate for input/output modules	DCZ1190-AA	9-17, 9- 20, 9-22
BPZ:5227400001	Base for SynoLINE300	DFB1190-AA	10-6
BPZ:5229570001	LCD with cable and plug	Z3S060	13-7
BPZ:5235900001	Housing for printer B2Q191	H38G360	10-24

4 conventional lines expansion card	K3M010	6-17
VdS interface card	K3L070	6-7, 6- 18
Parallel indicator panel with 32 alarm indicators	B3R080	6-16
Cover plate	H23B030	6-16
Mimic display board	K3R072	8-5
Relay card, 24 NO contacts	K3G060	8-6
LON input/output card	K3I110	8-4
Spare key DOM to door lock (2D97)	2D96	13-6
50-wire flat cable, with 24 red LEDs	F50F410	8-6
Spare cover	DBZ1197-AF	13-12
Rain hood	DFZ1190	10-6
Electronic unit for input module CB320A	CBS320A	9-18
Housing for input module CB320A	CBG320A	9-18
Auto-addressable input module	EB322A	9-17
Auto-addressable output module	AB322A	9-20
Auto-addressable input/output module	ABI322A	9-22
Heat detector (maximum)	HI322C	4-3
Heat detector (maximum)	HI322A	9-3
Recess box for H23G230	H23U230	8-3, 8-7
Flush mounting frame	H23Z230	8-4, 8-7
Inner cabinet front for FC330A-4	H37T030	13-6
Floor repeater panel with control functions, Kaba access key	B3Q595	8-3
Base attachment for wet environment	DBZ1192-AA	5-3, 9-8
Base attachment for surface mounting	SOA322	4-3, 9-4
Label 'avoid electrostatic charging' for manual call point in explo sion-hazard area.	- BPZ:5358470001	10-17
Smoke detector, conventional multi-sensor	OH320C	4-2
Alarm device	AGT24.1	11-1
Alarm device	AGN24.6	11-1, 11-3
Master board SynoLOOP, 2-loop	K3X020	13-6
2-loop expansion card	K3M030	6-17
Control module for monitored alarm devices	E3G060	7-7
Master board SynoLOOP, 1-loop	K3X030	13-6
LCD with cable and plug	Z3S130	13-7
RS232 adapter	K3K040	13-8
LCD with cable and plug	Z3S140	13-7
LCD with cable and plug	Z3S150	13-7
1-loop fire control panel, analogue, auto-addressing	FC330A-ECO	6-5
Manual call point housing yellow	DMA1192-AC	5-9, 9- 14
Manual call point housing blue	DMA1192-AB	5-8, 9- 13
Input/output module	E3L020	7-7
C-bus gateway	E3H020	7-8
Universal control module	E3G070	13-9
Line test equipment	DZ1131	10-25
Protection seal	DMZ1197-AD	5-9, 9-
		14, 10-
	722220	18
Support plate set	Z3B230	8-4
	VdS interface card Parallel indicator panel with 32 alarm indicators Cover plate Mimic display board Relay card, 24 NO contacts LON input/output card Spare key DOM to door lock (2D97) SO-wire flat cable, with 24 red LEDs Spare cover Rain hood Electronic unit for input module CB320A Housing for input module CB320A Auto-addressable input module Auto-addressable output module Auto-addressable input/output module Heat detector (maximum) Heat detector (maximum) Recess box for H23G230 Flush mounting frame Inner cabinet front for CC330A-4 Floor repeater panel with control functions, Kaba access key Base attachment for surface mounting Label 'avoid electrostatic charging' for manual call point in explo sion-hazard area. Smoke detector, conventional multi-sensor Alarm device Master board SynoLOOP, 2-loop 2-loop expansion card Control module for monitored alarm devices Master board SynoLOOP, 1-loop LCD with cable and plug LCD with cable and plug LCD with ca	VdS interface cardK3L070Parallel indicator panel with 32 alarm indicatorsB38080Cover plateH238030Mimic display boardK38072Relay card, 24 NO contactsK36060LON input/output cardK31110Spare key DOM to door lock (2D97)2D96SO-wire flat cable, with 24 red LEDsF50F410Spare coverDB21197-AFRain hoodDF21190Electronic unit for input module CB320ACB5320AHousing for input module CB320ACB5320AAuto-addressable input moduleAB322AAuto-addressable input moduleAB322AAuto-addressable input moduleAB322AAuto-addressable input moduleAB322AAuto-addressable input moduleAB322AFloat detector (maximum)H1322CHeat detector (maximum)H322ARecess box for H23C230H23U230Floar prepater panel with control functions, Kaba access keyB30595Base attachment for surface mountingSOA322Label 'avoid electrostatic charging' for manual call point in expo- sion-hazard area.SM030Control module for monitored alarm devicesE30606Master board SynoLOOP, 2-loopK3X030Control module for monitored alarm devicesE30606Master board SynoLOOP, 2-loopK3X030LCD with cable and plugZ35130F5232 adapterK3X040LCD with cable and plugZ35140LCD with cable and plugZ35140LCD with cable and plugZ35140LCD with cable and

Order No.	Description	Туре	Page
BPZ:5644780001	U-rail TS35/7.5/122	TS35_122	6-21, 9- 17, 9- 20, 9-22
BPZ:5661460001	Mounting plate to FC330A-ECO	Z3G280	6-7
BPZ:5661590001	19" adapter set for FC330A-ECO	Z3G290	6-8
BPZ:5665570001	2-loop fire control panel, analogue, auto-addressing	FC330A-1	6-12
BPZ:5665590001	2-loop fire control panel, analogue, auto-addressing	FC330A-5	6-12
BPZ:5665600001	2-loop fire control panel, analogue, auto-addressing	FC330A-2	6-12
BPZ:5665860001	2-loop fire control panel, analogue, auto-addressing	FC330A-4	6-12
BPZ:5703490001	Key switch module	Z3S200	7-11, 7- 18
BPZ:5705010001	LCD adapter	F20A040	13-8
BPZ:5705300001	Plexiglas door	H26T030	7-11, 7- 18
BPZ:5757970001	Alarm device for explosion-hazard areas for zone 1 and 2	DB3	10-23
BPZ:5760000001	Battery extension set	Z3I1020	6-19
BPZ:5760130001	Language set standard English for FC330A	FCA105	6-5, 6- 14
BPZ:5760260001	Language set Castilian for FC330A	FCA125	6-5, 6- 14
BPZ:5760390001	Language set Catalan for FC330A	FCA135	6-5, 6- 14
BPZ:5760420001	Language set Flemish for FC330A	FCA145	6-5, 6- 14
BPZ:5760550001	Language set Walloon for FC330A	FCA155	6-5, 6- 14
BPZ:5760680001	Language set Italian for FC330A	FCA175	6-5, 6- 14
BPZ:5760710001	Language set Polish for FC330A	FCA185	6-5, 6- 14
BPZ:5760840001	Language set German for FC330A	FCA195	6-5, 6- 14
BPZ:5760970001	Language set Swedish for FC330A	FCA215	6-5, 6- 14
BPZ:5761070001	Language set Czech for FC330A	FCA225	6-6, 6- 14
BPZ:5761100001	Language set Slovakian for FC330A	FCA235	6-6, 6- 15
BPZ:5761230001	Language set Hebrew for FC330A	FCA245	6-6, 6- 15
BPZ:5761360001	Language set Cyrillic for FC330A	FCA255	6-6, 6- 15
BPZ:5761490001	Language set French for FC330A	FCA205	6-5, 6- 14
BPZ:5761520001	Language set Norwegian for FC330A	FCA265	6-6, 6- 15
BPZ:5775750001	1-loop fire control panel, analogue, auto-addressing	FC330A-ECO-CH	6-4
BPZ:5775880001	2-loop fire control panel, analogue, auto-addressing	FC330A-2-CH	6-13
BPZ:5776720001	Mounting plate for remote transmission version CH	Z3G300	6-7, 6- 18
BPZ:6289900001	2-loop fire control panel, analogue, auto-addressing	FC330A-6	6-13
BPZ:6292870001	Door with operating panel for FC330A-1	B3Q630	13-6
BPZ:6293130001	Door with operating panel for FC330A-2	B3Q650	13-6
BPZ:9300090001	Fire control panel for connection to 12 VDC supply	GEN2-pl	1-2
BPZ:9300100001	Fire control panel for connection to 12 VDC supply	GEN2-es	1-3
BPZ:9300110001	Fire control panel for connection to 12 VDC supply	GEN2-en	1-2

Order No.	Description	Туре	Page
BPZ:9300120001	Fire control panel for connection to 12 VDC supply	GEN2-it	1-2
BPZ:9300130001	Fire control panel for connection to 12 VDC supply	GEN2-se	1-2
BPZ:9300140001	Fire control panel for connection to 12 VDC supply	GEN2-no	1-2
BPZ:9300150001	Fire control panel for connection to 12 VDC supply	GEN2-de	1-2
BPZ:9300170001	Fire control panel PCB for all languages	MGEN2	1-3
BPZ:9300180001	Fire control panel for connection to 12 VDC supply	GEN2-fr	1-2
BPZ:9300190001	Fire control panel for connection to 12 VDC supply	GEN2-nl	1-3
CB320A	Auto-addressable input module for SynoLINE300	CB320A	9-18
DC1192	Auto-addressable input/output module for SynoLINE600	DC1192	9-24, 10-21
DF11	Infrared flame detector	DF11	10-5
DF11Ex	Infrared flame detector collective 'Ex'	DF11Ex	10-15
DLO1191	Linear smoke detector	DLO1191	10-8
DM1101	Collective manual call point for SynoLINE600	DM1101	5-6
DM1103	Collective manual call point	DM1103	5-8, 10- 17
DM1131	Auto-addressable manual call point	DM1131	9-11
DM1133A	Auto-addressable manual call point	DM1133A	9-13
FC1002	2-zone conventional unit	FC1002	2-2
FC1004	4-zone conventional unit	FC1004	2-4
FC1008	8-zone conventional unit	FC1008	2-6
FC1012	12-zone conventional unit	FC1012	2-10
FC330A-ECO	1-loop fire control panel, analogue, auto-addressing	FC330A-ECO	6-4
FC330A	2-loop fire control panel, analogue, auto-addressing	FC330A	6-11
FT700A	Comfort operating terminal for fire detection system FC700A	FT700A	7-13
GEN2	Fire control panel for connection to 12 VDC supply	GEN2	1-2
MT320C	Conventional manual call point for SynoLINE300	MT320C	4-5