



FC724

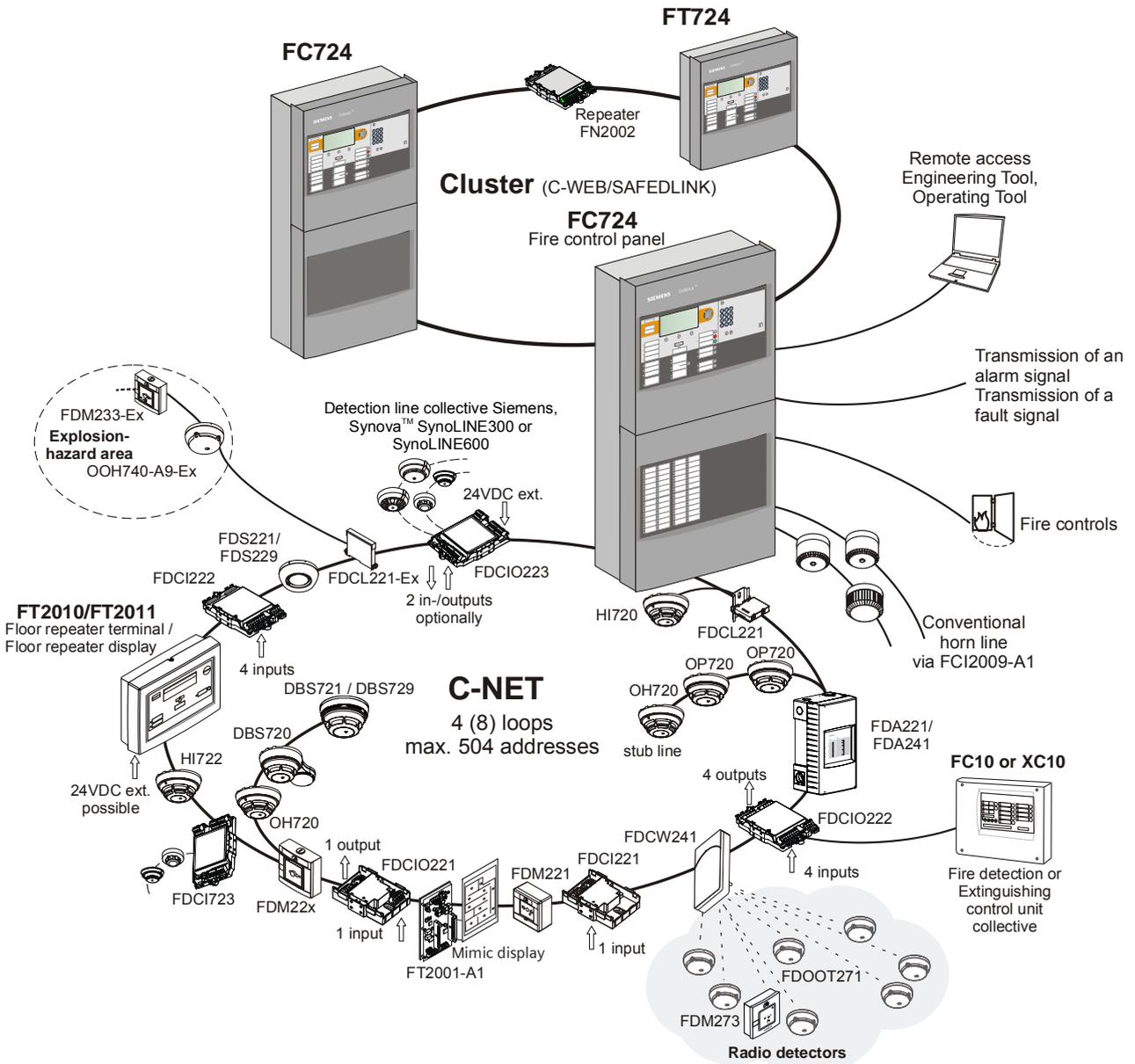
Cerberus™ PRO

Fire control panel



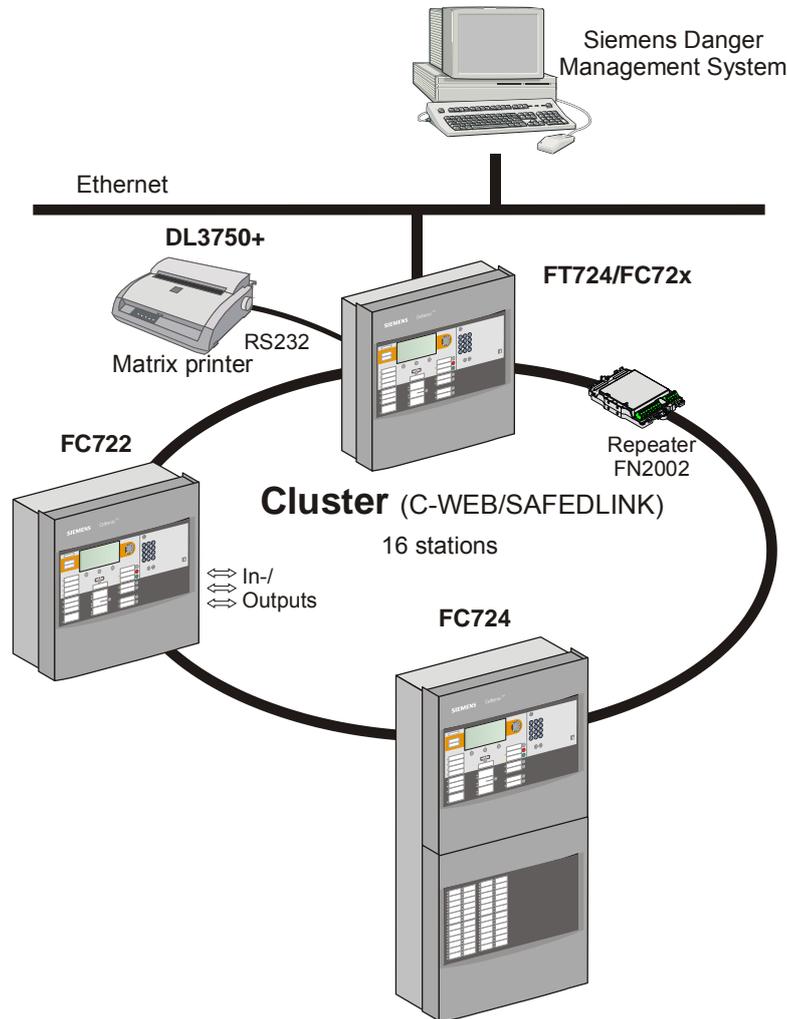
FS720 series, IP6

- Compact, pre-assembled, microprocessor-controlled fire control panel with integrated operating unit for up to 504 addresses
- Fire control panel can be used as a standalone version or can be networked
- Up to 64 stations – control panels and terminals – can be linked to form a network
- Integrated degraded mode function
- Redundant network node, degraded mode operation according to EN 54
- Fast Ethernet interface for a heterogeneous network
- Integrated user-friendly operating unit
- Can be extended by adding printer, key switches, LED indicators
- Slots for RS232 and RS485 serial interfaces
- Emergency power supply for emergency operating time of up to 72 hours
- Detection and automatic reading in (auto-configuration) of all C-NET devices, ready for operation immediately
- Processes signals from Cerberus PRO FD720 detector series
- Floor repeater displays, floor repeater operating units, and alarm devices on C-NET detector line
- Flexible configuration of complex applications and controls
- Configuration data can be uploaded/downloaded via remote access
- Firmware for all processor-controlled control panel components can be updated

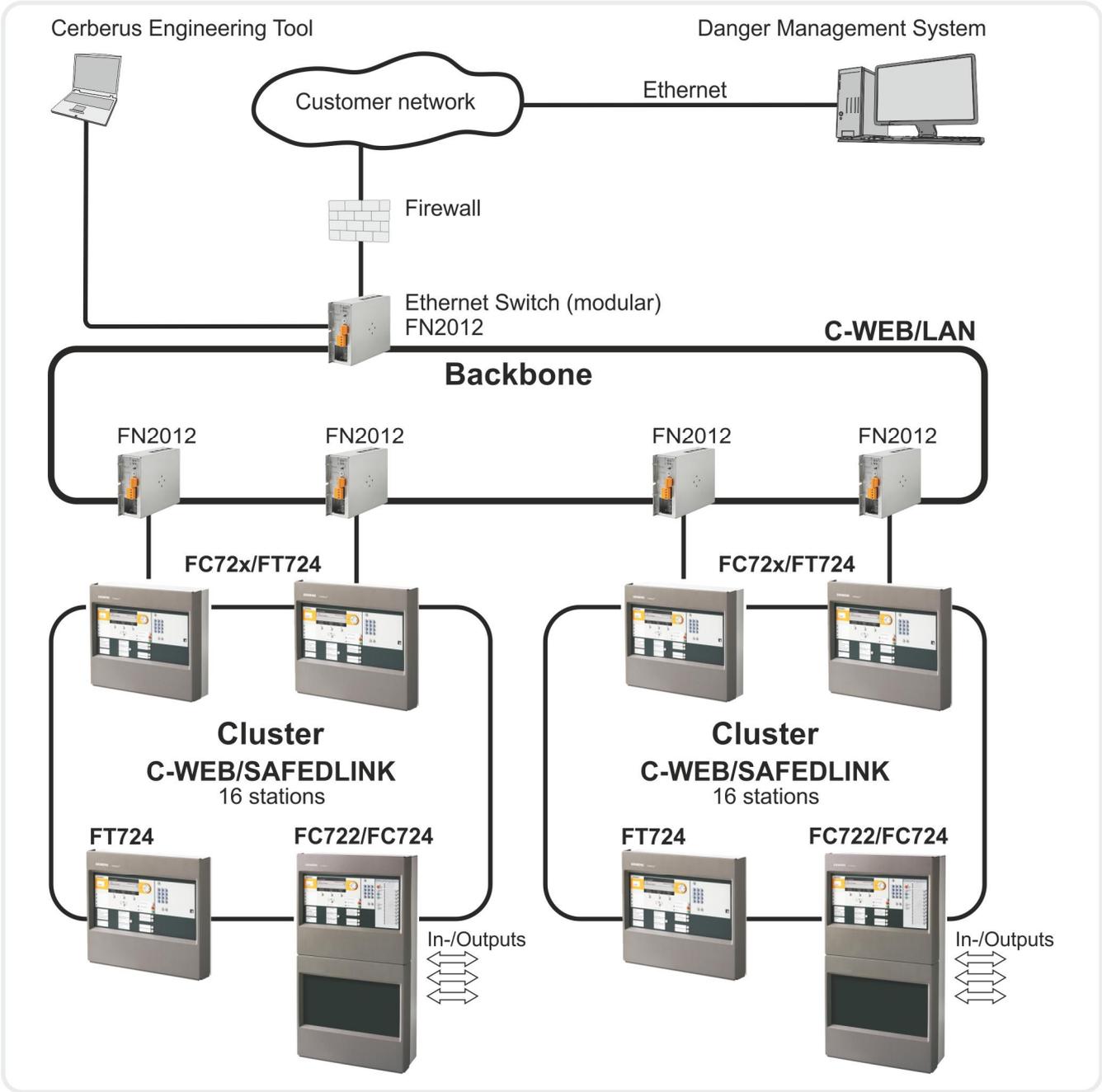


Networking of several fire control panels

Up to 32 control panels and terminals can be linked to form a cluster (C-WEB/SAFEDLINK network). If the cluster is connected to a danger management system via BACnet, up to 16 control panels and terminals can be networked.



An optical Ethernet network (C-WEB/LAN) allows up to 14 clusters with up to 16 stations to be operated on one network. A maximum of 64 stations is supported in total.



You will find details of system networking in product data sheet A6V10227649.

Function features

- The FC724 is a compact fire control panel with integrated operating unit for processing signals from FD720 devices.
- The control panel may be used as a standalone unit or networked.
- The control panel and the fire detection system are custom-configured using the Cerberus-Engineering-Tool software.
- All detector lines are monitored for ground faults.
- Customer texts can be adapted directly on the operating unit of the control panel or with the Cerberus-Engineering-Tool software.
- Up to 2000 events can be retrieved from the event memory based on various criteria.
- Automatic summer/winter time changeover
- Siemens danger management system can be connected

Function elements

Operating unit

The following elements are available on the operating unit:

- CPU module and electronics
- Ethernet connection
- Slots for RS232 and RS485 modules and network modules (SAFEDLINK)
- Space for 'Kaba' or 'Nordic' key switch
- Space for event printer
- Peripheral data bus connection for optional LED modules

Periphery board

The following elements are available on the periphery board:

- Connection terminals for C-NET lines, remote transmission (alarm, fault), horn output, configurable control inputs and outputs, monitored alarm and fault output, emergency supply, power supply
- Two slots for loop extension (C-NET)

Power supply unit 150 W, emergency power supply

The power supply feeds the hardware and charges the batteries.

In the event of a power cut, the batteries provide emergency current.

Housing

A pivoting mounting plate can be fitted for the following elements above the periphery board on the rear housing panel:

- 1x fire brigade periphery module (for Germany)
- 2x sounder modules (as an alternative to mounting on U-rail TS35)

Configuration

The FXS7212 Cerberus-Engineering-Tool allows the system to be customized.

Application ranges

The FC724 is ideal for medium-sized applications, e.g. for use in industrial plants, regional banks, or office complexes.

Thanks to the flexible networking options, the FC724 can also be used for large-scale sites.

Operation

Each control unit has an integrated operating unit. The control panel can also be operated via a separate FT724 fire terminal.

You will find details and more information in product data sheet A6V10207898.

Overview of FC724 fire control panels

Housing (Comfort)

FC724-ZA



4 loops

with power supply (150 W)
Max. battery capacity 26 Ah

FC724-ZE

Featuring 48 indicator groups with one red/green + one yellow LED each



4 loops

with power supply (150 W)
Max. battery capacity 26 Ah

Extensions

FH7202-Z3

Housing (Standard)
430 x 398 x 183 mm
Empty housing for free use



E.g., for extra batteries,
Operating add-on, or
Event printer

Space for batteries
2x FA2003-A1 (7 Ah) or
2x FA2004-A1 (12 Ah)

FH7203-Z3

Housing (Comfort)
430 x 796 x 183 mm



E.g., for extra batteries,
Operating add-on, or
Event printer

Space for batteries
2x FA2003-A1 (7 Ah) or
2x FA2004-A1 (12 Ah) or
2x FA2005-A1 (17 Ah) or
2x FA2006-A1 (26 Ah)

FTO2001-A1

Event printer



For installation in all control panels
RS232 module must be ordered separately

External printer

DL3750+

Matrix printer (external)
RS232 interface



RS232 module must be ordered separately

Operating accessories

FCM7213-Y3

48 indicator groups with one red/green + one yellow LED each



for retrofitting

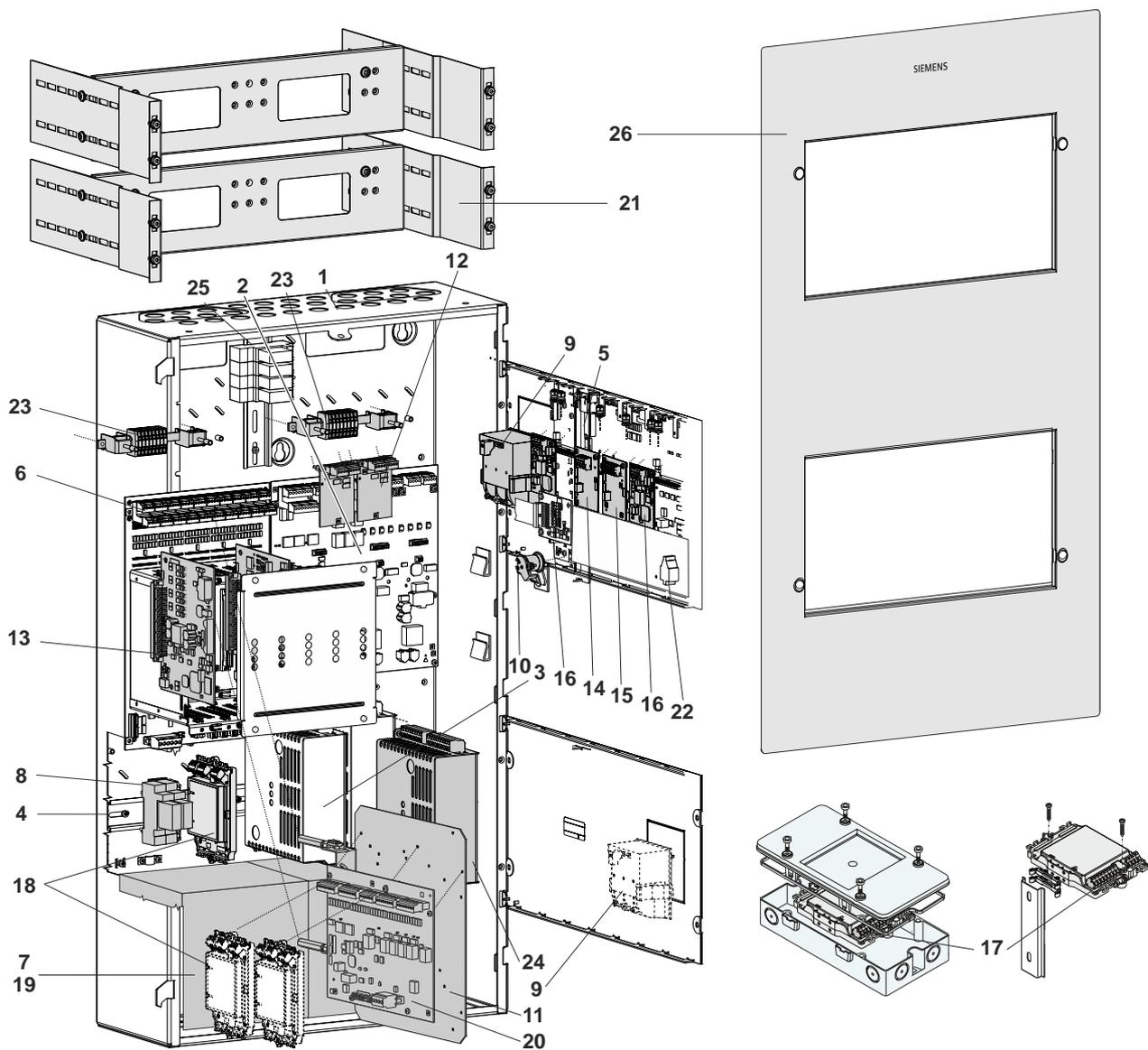
FCM7214-Y3

96 indicator groups with one red/green + one yellow LED each



for retrofitting

Layout of FC724 inside housing (Comfort)



Basic equipment	Designation	Comment
1 Housing (Comfort)	FH7203-Z3	Items 1-6: Basic equipment
2 Periphery board (2-loop)	FCI2002-A1	
3 Power supply (SV 24V-150 W)	V24230-Z6-A5	
4 Mains terminals on TS35 DIN rail	–	Space for socket, relay modules
5 Operating unit	FCM72xx-xx	Operating unit with CPU
6 Card cage (2 slots)	FCA2008-A1	For two module bus cards
7 Space for batteries	–	2x 12 V / 17...26 Ah

Extensions	Designation	Comment
8 Relay module	Z3B171	Relay for fire controls
9 Event printer	FTO2001-A1	For logging events
10 Key switch (Kaba)	FTO2005-C1	For operating access authorization
Key switch (Nordic)	FTO2006-B1	
11 Mounting plate	FHA2007-A1	E.g., for fire brigade periphery module
12 Loop extension (C-NET)	FCI2003-A1	For extending the number of loops from two to four, the number of addresses remains the same
13 Module bus cards		
Line card (FDnet/C-NET)	FCL2001-A1	For four extra C-NET lines
Line card (SynoLOOP)	FCL7201-Z3	For four extra SynoLOOP lines
I/O card (programmable)	FCI2008-A1	For twelve configurable inputs/outputs
I/O card (horn/monitored)	FCI2009-A1	For eight monitored horn outputs
I/O card (RT)	FCI2007-A1	For extra alarm and fault outputs
14 RS485 module (isolated)	FCA2002-A1	For peripheral devices with RS485 interface
15 RS232 module (isolated)	FCA2001-A1	For devices with an RS232 interface
16 Network module (SAFEDLINK)	FN2001-A1	For networking several stations
17 Repeater (SAFEDLINK)	FN2002-A1	For extending the C-WEB system bus, max. 1x repeater (SAFEDLINK) between two stations (mounted directly on a plane surface, on a TS35 U-rail, or in housing FDCH221)
18 Sounder module	FCA2005-A1	For splitting one conventional sounder into four
19 Battery (12 V, 17 Ah, VDS)	FA2005-A1	For the emergency power supply
Battery (12 V, 26 Ah, VDS)	FA2006-A1	
20 Fire brigade periphery module	FCI2001-D1	for Germany (FBF, FSD, ÜE, FSE, ÖA, KL)
21 19" mounting kit	FHA2016-A1	For installation in 19" third-party housing
22 License key Sx	FCA20xx	For special functions
23 Cable kit (communication)	FCA2014-A1	For flexible connections running to the modules on the operating unit
24 Power supply kit (150 W, B)	FP2005-A1	For extra power supply
25 Relay module	Z3B171	Space for U-rail TS35 L=70 mm for max. 4 relay modules
26 FM blind 2HE	FHA2015-A1	for recessed mounting of housings

Technical data

Mains voltage	AC 115/230 V +10/-15 %
Power supply	150 W
Operating voltage	DC 21...28.4 V
Operating current	Max. 5 A
Battery capacity	2x 12 V, 26 Ah
Battery monitoring	Yes
Network monitoring	Yes
Connectable detector series	Cerberus PRO FD720 (C-NET)
Number of lines	
– Loops (with loop extension) or	4 (8)
– Stubs	8 (16)
Number of addresses	Max. 504
Integrated inputs/outputs	
– Relay output	
– RT alarm	1
– RT fault	1
– Monitored outputs	
– Alarm	1
– Fault	1
– Horn	2
– Freely programmable inputs/outputs	12
Operating unit	Integrated
Slots for RS232, RS485 serial ports	2
Slots for network modules	2
Slots for loop extension	2
Mounting spaces for cable kit (communication)	2
Sounder module	Max. 2
Ethernet port RJ45	1
Operating temperature	-8...+42 °C
Storage temperature	-20...+60 °C
Air humidity (no condensation permitted)	≤95 % rel.
Dimensions (W x H x D)	
– Without cover cap	430 x 796 x 160 mm
– With cover cap	430 x 796 x 183 mm
Color	
– Housing	~RAL 7035, light gray
– Cover cap	~RAL 000 50 00
Protection category (IEC 60529)	IP30
Approvals	
– VdS	G209077
– LPCB	126bn/07
– FM	3051081
– DNV GL (Marine)	See document A6V10339425

09  0786	FC724-HA / FC724-ZA / FC724-ZE	Siemens Switzerland Ltd; Gubelstrasse 22 CH-6301 Zug Technical data: see doc. A6V10210355
		FC724 - Control and Indicating Equipment incl. SV24V150W - 150W/24VDC Power Supply Equipment for use in fire detection and fire alarm systems installed in buildings.
		305/2011/EU (CPR): EN 54-2 / EN 54-4 ; 2014/30/EU (EMC): EN 50130-4 / EN 61000-6-3 ; 2014/35/EU (LVD): EN 60950-1 ; 2011/65/EU (RoHS): EN 50581
		The declared performance and conformity can be seen in the Declaration of Performance (DoP) and the EU Declaration of Conformity (DoC), which is obtainable via the Customer Support Center: Tel. +49 89 9221-8000 or http://siemens.com/bt/download
		DoP No.: 0786-CPR-20722; DoC No.: CED-FC724
13  0786	SV24V150W	Siemens Switzerland Ltd, Gubelstrasse 22 CH-6301 Zug Sinteso technical data: see doc. 008837 Cerberus™ PRO technical data: see doc. A6V10210368
		SV24V150W - Power Supply Equipment 24VDC/150W for use in fire detection and fire alarm systems installed in buildings.
		305/2011/EU (CPR): EN 54-4 ; 2014/30/EU (EMC): EN 50130-4 / EN 61000-6-3 ; 2014/35/EU (LVD): EN 60950-1 ; 2011/65/EU (RoHS): EN 50581
		The declared performance and conformity can be seen in the Declaration of Performance (DoP) and the EU Declaration of Conformity (DoC), which is obtainable via the Customer Support center: Tel. +49 89 9221-8000 or http://siemens.com/bt/download
		DoP No.: 0786-CPD-20775; DoC No.: CED-SV24V150W

Details for ordering

	Type	Art. no.	Designation	Weight	
Control panels	FC724-ZA	S54400-C30-A2	Fire control panel (4L)	18.280 kg	
	FC724-ZE	S54400-C30-A3	Fire control panel (4L, 2LED)	19.200 kg	
Extensions	Z3B171	BPZ:4843830001	Relay module AC 250 V / 10 A (1 relay)	0.042 kg	
	FTO2001-A1	A5Q00010126	Event printer	0.250 kg	
	–	A5Q00017619	Spare printer reels (10 reels)	0.090 kg	
	FTO2005-C1	A5Q00010113	Key switch (Kaba)	0.013 kg	
	FTO2006-B1	A5Q00010129	Key switch (nordic)	0.050 kg	
	FHA2007-A1	A5Q00010151	Mounting plate	0.800 kg	
	FCI2003-A1	A5Q00010136	Loop extension (FDnet/C-NET)	0.064 kg	
	FCA2002-A1	A5Q00009923	RS485 module (isolated)	0.067 kg	
	FCA2001-A1	A5Q00005327	RS232 module (isolated)	0.068 kg	
	FN2001-A1	A5Q00012851	Network module (SAFEDLINK)	0.077 kg	
	FN2002-A1	S24236-B2502-A1	Repeater (SAFEDLINK)	0.154 kg	
	FCA2005-A1	A5Q00014866	Sounder module	0.140 kg	
	FCA2014-A1	A5Q00023027	Cable kit (communication)	0.224 kg	
	FCI2001-D1	A5Q00013100	Fire brigade periphery module	0.482 kg	
	FH7202-Z3	S54400-B70-A101	Housing (Standard)	7.500 kg	
	FH7203-Z3	S54400-B71-A101	Housing (Comfort)	15.000 kg	
	FCM7213-Y3	S54400-B149-A1	Operating add-on (2xLED indicator)	2.600 kg	
	FCM7214-Y3	S54400-B150-A1	Operating add-on (4xLED indicator)	2.800 kg	
	FHA2016-A1	A5Q00020179	19" mounting kit	3.000 kg	
	FN2006-A1	S54400-A109-A1	Fiber network module (SM)	0.770 kg	
	FN2007-A1	S54400-A110-A2	Fiber network module (MM)	0.770 kg	
	Auxiliary power supply	FP2003-A1	A5Q00016005	Power supply kit (70 W)	0.650 kg
		FP2004-A1	A5Q00020825	Power supply kit (150 W, A) for installation into empty housing	1.366 kg
		FP2005-A1	A5Q00018779	Power supply kit (150 W, B) for parallel connection	1.100 kg
	Networks (backbone)	FN2012-A1	S54400-B152-A	Ethernet switch (modular)	0.560 kg
		FCA2031	S54400-A153-A1	Connection module (MoNet)	0.020 kg + 0.050 kg for cable
		VN2002-A1	S54400-A43-A1	Ethernet module (MM)	0.030 kg
VN2003-A1		S54400-A44-A1	Ethernet module (SM)	0.030 kg	
FHA2029-A1		S54400-B79-A1	Installation kit (switch, comf.)	1.240 kg	
Batteries		FA2003-A1	A5Q00019353	Battery (12 V, 7 Ah, VDS)	2.450 kg
	FA2004-A1	A5Q00019354	Battery (12 V, 12 Ah, VDS)	3.930 kg	
	FA2005-A1	A5Q00019677	Battery (12 V, 17 Ah, VDS)	5.640 kg	
	FA2006-A1	A5Q00019356	Battery (12 V, 26 Ah, VDS)	7.572 kg	
Software license	FCA2033-A1	S54400-P154-A1	License key (S1)	0.010 kg	
	FCA2034-A1	S54400-P155-A1	License key (S2)	0.010 kg	
	FCA2035-A1	S54400-P156-A1	License key (S3)	0.010 kg	
External printer	DL3750+	A5Q00023962	Matrix printer (external)	7.300 kg	
	–	A5Q00023963	Color ribbon for matrix printer DL3750+	0.078 kg	

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Technical specifications and availability subject to change without notice.