SIEMENS

FDCI221, FDCIO221

Cerberus® PRO
Sinteso™

Input module
Input/output module

CE

For the automatic addressable detector bus FDnet/C-NET

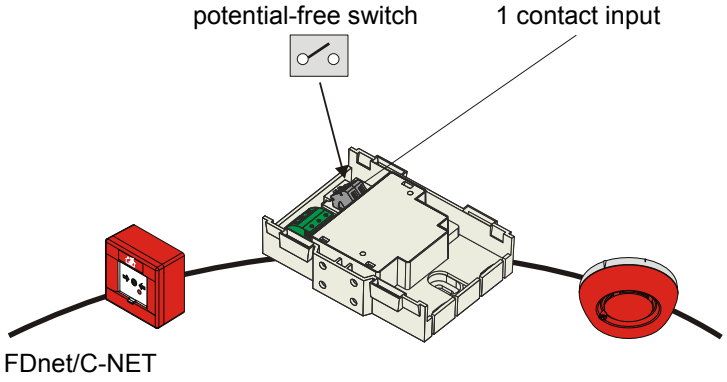
- **Input module FDCI221**
  - 1 monitored contact input for the message of technical states or for alarm actuation
- **Input/output module FDCIO221**
  - 1 control output with potential-free relay contacts for the control of fire doors, ventilation, air conditioning, elevator control installations
  - 1 monitored contact input for the message of technical states or for alarm actuation
- **Microprocessor-controlled signal evaluation**
- **Automatic address allocation during commissioning**
- **LED display of input and output status, localization**
- **Two-wire installation for all types of cable**
- **Power supply via FDnet/C-NET**
- **Communication via FDnet/C-NET (individual addressing)**
- **Applicable in dry, dusty and humid areas**
- **Different mounting possibilities**

Characteristics

- **Environmental**
- ecologically processing
- recyclable materials
- electronic und synthetic material simple separable
- **Characteristics**
- transparent housing for good visibility of the indicators
- protected electronics
- integrated line separator
- Automatic address allocation during commissioning
- temporal status monitoring
- power supply via FDnet/C-NET, auxiliary power supply only required if the output is configured as monitored
- applicable in dry areas, use auxiliary housing for application in dust and humid/wet areas

Input module FDCI221

- **Function**
- 1 input for potential-free contact
- The input line is monitored for open line and short circuit (termination resistors).
- The input can be configured via the fire control panel for status or alarm messages.
- status indication by LED
- **Application**
- For the connection of 1 potential-free make or break contact for the message of technical states (e.g. door or ventilation control) or for alarm actuation (e.g. sprinkler alarm).

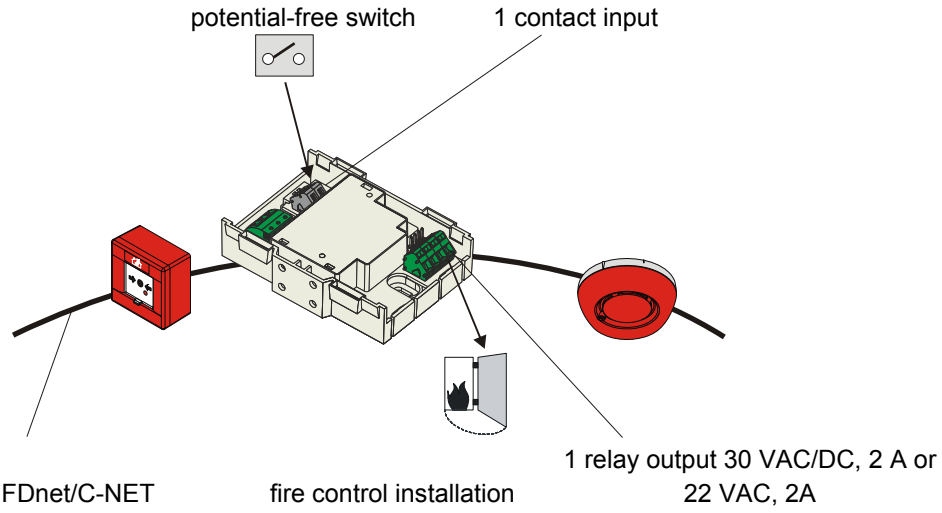


Input/output module FDCIO221

- **Function**
- 1 input for potential-free contact
- The input line is monitored for open line and short circuit (termination resistors).
- The input can be configured via the fire control panel.
- 1 output configured via jumper
  - not monitored -> 1 potential-free relay contact (22 VAC, 2 A or 30 VDC, 2 A)
  - monitored -> 1 relay contact (30 VDC, 2 A)
  - status indication by LED

- **Application**

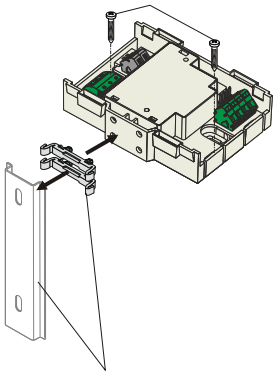
– For the connection of 1 potential-free make or break contact for the message of technical states (e.g. door or ventilation control) or for alarm actuation (e.g. sprinkler alarm).
– For the decentralized control of fire doors, ventilation, air conditioning



Installation

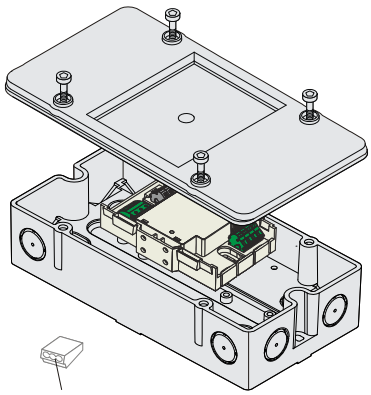
– screw directly onto plane surface area
– mounting (series mounting) top hat rail TS35
– surface- or recess-mounted cable ducts
– in housing FDCH221 with cover, seal and screws for wet applications

Installation directly in switching cabinet / control panel



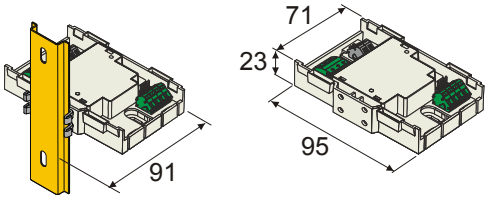
Installation in range with enclosed mounting feeds at top U rail TS35

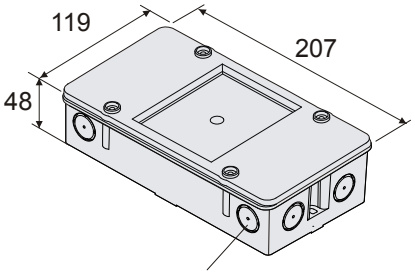
Installation in separately housing FDCH221



For shielding cables use connection terminals DBZ1190-AB

Dimensions



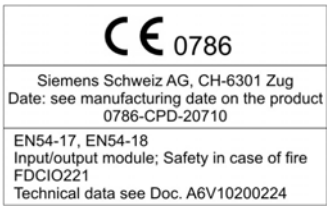


Breakout for screwed cable gland and back nut M20

Technical data

FDCI221

FDCIO221



	FDCI221	FDCIO221
Operating voltage	DC 12... 33 V	DC 12... 33 V
Operating current (quiescent)	max. 0.3 mA	max. 0.4 mA
Relays output (ohm)	–	AC22 V, 2 A, max. 44 VA DC30 V, 2 A, max. 60 W
Line resistance (Input)	Max. 20 Ω	Max. 20 Ω
Operating temperature	-25... +70 °C	-25... +70 °C
Storage temperature	-30... +75 °C	-30... +75 °C
Humidity	≤95 % rel.	≤95 % rel.
Communication protocol	FDnet/C-NET	FDnet/C-NET
Connection terminals	0.2... 2.5 mm²	0.2... 2.5 mm²
Color		
– Housing	white, ~RAL 9010	white, ~RAL 9010
– Cover	transparent matt	transparent matt
– Aux. housing FDCH221	white, ~RAL 9010	white, ~RAL 9010
Protection category EN60529 / IEC529	IP30	IP30
– with aux. housing FDCH221	IP65	IP65
Standards	EN54-17, EN54-18	EN54-17, EN54-18
Approvals		
– VdS / LPCB	G209066 / 531h/01	G209067 / 531h/02
– FM	3038448	3038448
– Marine		
– MED (Marine Equipment directive)	19 485 – HH	
– GL (Germanischer Llyod)	19 563 – HH	
System compatibility		
– FDnet	FS20	
– C-NET	FS720	
QS standards	Siemens Standard SN 36350	

Details for ordering

	Type	Part no	Designation	Weight
	FDCI221	S54312-F1-A1	Input module 1 input, incl. 2 resistors, 2 mounting feeds	0.056 kg
	FDCIO221	S54312-F2-A1	Input/output module (1 input / 1 output), incl. 2 resistors and 2 mounting feeds	0.062 kg
	FDCH221	S54312-F3-A1	Housing with cover, seal and screws	0.280 kg
	–	A5Q00004478	Metal screwed cable gland M20 x 1.5	0.039 kg
	–	A5Q00004479	Back nut M20	0.006 kg
	DBZ1190-AB	BPZ:4942340001	Connection terminal 1.0… 2.5 mm² (3-pole)	0.002 kg
Spare parts	FDCM291	A5Q00003855	Mounting feeds (25 pcs.)	0.060 kg

Details see equipment overview 008164 (Sinteso), A6V10225323 (Cerberus PRO)

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