SIEMENS

FDCI222, FDCIO222, FDCIO224

Sinteso™
Cerberus® PRO

Input module
Input/output modules

addressable (FDnet/C-NET)

- **Input module FDCI222 with 4 monitored contact inputs for the acknowledgement of technical states or alarm actuation**
- **Input/output module FDCIO222 with 4 control outputs with potential-free relay contacts for the control of fire doors, ventilation, air conditioning, elevator control installations and 4 monitored contact inputs for acknowledgement or alarm actuation**
- **Input/output module FDCIO224 with 4 control outputs with potential-free relay contacts for the control for VdS interface of an extinguishing activating device and 4 monitored contact inputs for acknowledgement (status messages)**
- **Microprocessor-controlled signal evaluation**
- **LED display of input and output status, fault, test, etc.**
- **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**

Building Technologies

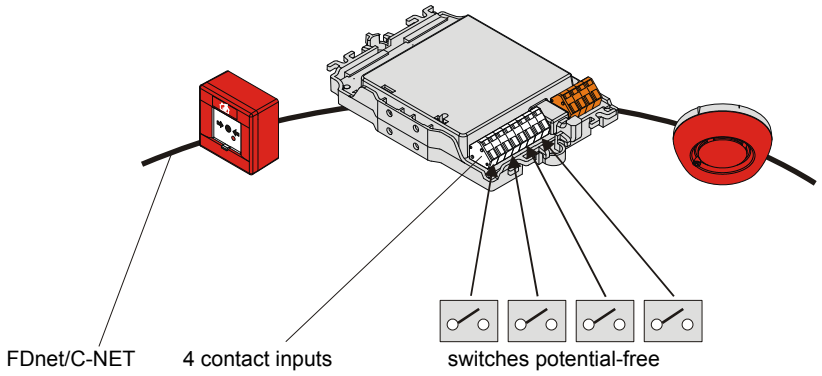
Fire Safety & Security Products

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
  - temporal status monitoring
  - no auxiliary power supply required
  - easy installation with spring-loaded catch
  - applicable in dry areas
  - use auxiliary housing for application in dust and humid/wet areas

FDCI222 Input module

- **Function**
  - 4 inputs for potential-free contacts
  - Input lines are monitored for open line and short circuit (termination resistors).
  - Inputs can be independently configured via the fire control panel for status or alarm messages.
  - status indication by LED
- **Application**
  - For the connection of 4 independent, potential-free make or break contacts for the message of technical states (e.g. door or ventilation control) or for alarm actuation (e.g. sprinkler alarm).

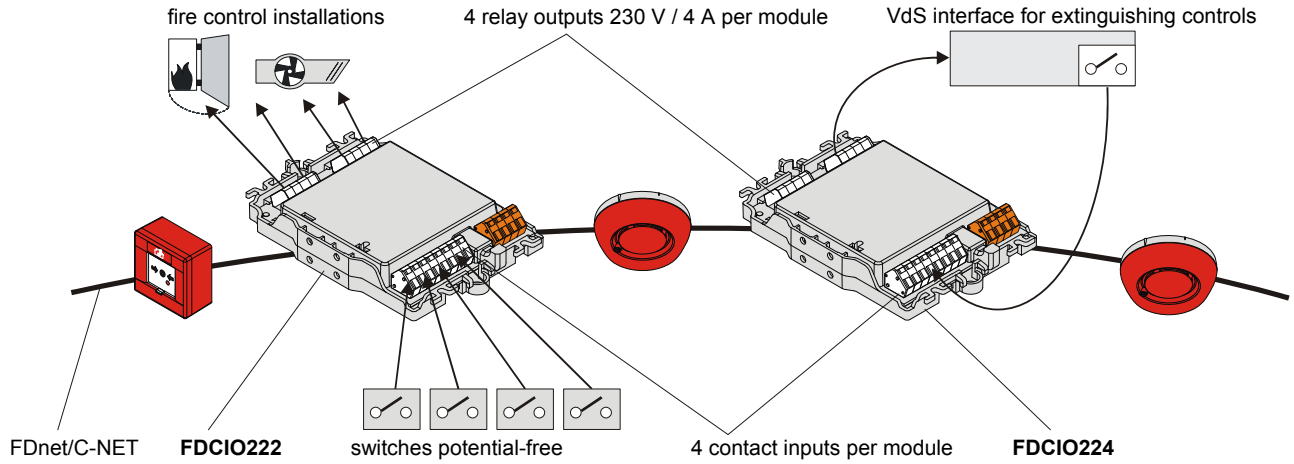


FDCIO222, FDCIO224 Input/output modules

- **Function**
  - 4 inputs for potential-free contacts
  - Input lines are monitored for open line and short circuit (termination resistors).
  - Inputs can be independently configured via the fire control panel for status or alarm messages.
  - 4 outputs with 4 potential-free relay contacts (230 VAC / 4 A) for fire control installations (FDCIO222), for the VdS interface for extinguishing controls (FDCIO224)
  - status indication by LED

- **Application**

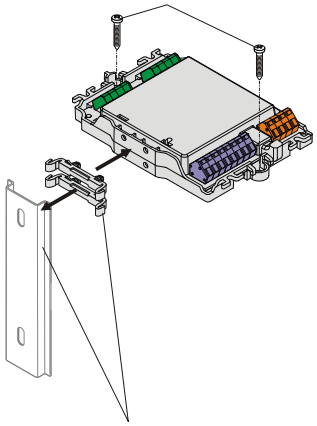
– FDCIO222 for the connection of 4 independent, potential-free make or break contacts for the message of technical states (e.g. door or ventilation control) or for alarm actuation (e.g. sprinkler alarm).
– For the decentralized control of fire doors, ventilation, air conditioning, etc.
– FDCIO224 for the VdS interface for extinguishing activating devices



Installation

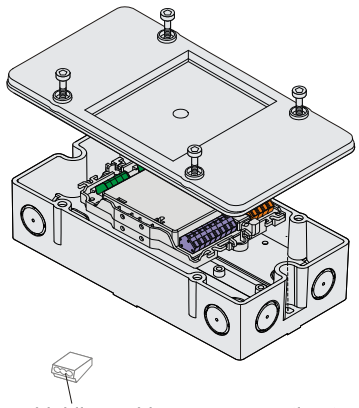
– screw directly onto plane surface area
– mounting (series mounting) top hat rail TS35
– surface- or recess-mounted cable ducts
– in housing FDCH221 with cover, seal and screws

Installation directly in switching cabinet / control unit



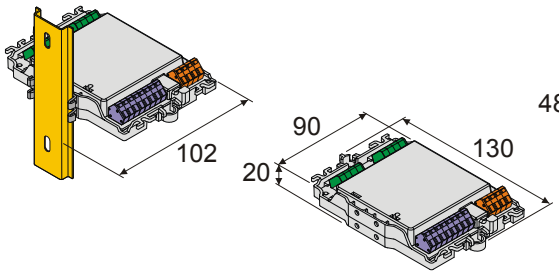
Installation in range with enclosed mounting feeds at top U rail TS35

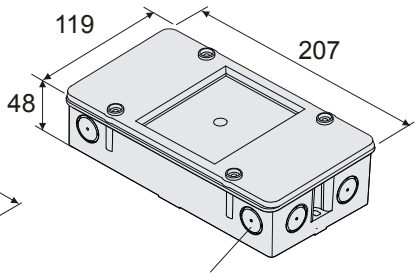
Mounting in separate housing FDCH221



For shielding cables use connection terminals DBZ1190-AB

Dimensions





Breakout for screwed cable gland and back nut M20

Technical data

FDCI222

CE 0786

Siemens Schweiz AG, CH-6301 Zug
Date: see manufacturing date on the product
0786-CPD-20446

EN54-17, EN54-18
Input module; Safety in case of fire
FDCI222
Technical data see Doc. 007023

FDCIO222

CE 0786

Siemens Schweiz AG, CH-6301 Zug
Date: see manufacturing date on the product
0786-CPD-20447

EN54-17, EN54-18
Input/output module; Safety in case of fire
FDCIO222
Technical data see Doc. 007023

FDCIO224

CE 0786

Siemens Schweiz AG, CH-6301 Zug
Date: see manufacturing date on the product
0786-CPD-20448

EN54-17, EN54-18
Input/output module; Safety in case of fire
FDCIO224
Technical data see Doc. 007023

	FDCI222	FDCIO222 / FDCIO224
Operating voltage	12... 33 VDC	12... 33 VDC
Operating current (quiescent)	0.25... 0.35 mA	0.6... 0.75 mA
Relays output (ohm)	–	250 VAC / 4 A, max. 1000 VA 30 VDC / 4 A, max. 120 W
Operating temperature	-25... +60 °C	-25... +60 °C
Storage temperature	-30... +65 °C	-30... +65 °C
Humidity	≤95 % rel.	≤95 % rel.
Communication protocol	FDnet/C-NET	FDnet/C-NET
Connection terminals	0.2... 1.5 mm^2 (2.5 mm^2)	0.2... 1.5 mm^2 (2.5 mm^2)
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	CEA GEI I-084, EN54-17, EN54-18	CEA GEI I-084, EN54-17, EN54-18

Approvals		FDCIO222	FDCIO224
– VdS	G204028	G204029	G207001
– LPCB	126ad/01	126ad/02	–

System compatibility	
– FDnet	FS20, AlgoRex, SIGMASYS
– C-NET	FS720
QS standards	Siemens Standard SN 36350

Details for ordering

	Type	Part no	Designation	Weight
	FDCI222	A5Q00001984	Input module 4 inputs incl. 8 resistors, 2 mounting feeds	0.080 kg
	FDCIO222	A5Q00002369	Input/output module (4 inputs / 4 outputs) incl. 8 resistors and 2 mounting feeds	0.116 kg
	FDCIO224	A5Q00018689	Input/output module (4 inputs / 4 outputs) incl. 8 resistors and 2 mounting feeds, for VdS interface	0.116 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 mm^2 (3-pole)	0.002 kg
Spare part	FDCM291	A5Q00003855	Mounting feeds (25 pcs.)	0.002 kg

Details see equipment overview 008164 (Sinteso), A6V10225323 (Cerberus PRO)
Details about system compatibility see List of compatibility 008331

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