

FDCI183 Transponder Module Technical Sheet

Characteristic

- Monitored input circuit for the conventional device
- Input lines are monitored for open line and short circuit
- Microprocessor-controlled signal evaluation
- Prevention of noise interference through intelligent analysis of input signals
- LED display of input status
- Automatic address setting, without encoder settings or Dip-switch
- External Power supply with 24VDC
- Communication with controller via FD18-BUS(detection line)
- Connect up to 32 Synoline 300 Detection
- Applicable in dry, dusty and humid areas
- Two-wire installation for all types of cable
- "Sticker Method" easy for commissioning

Structure

The module consists of the module carrier, the printed circuit board and the cover. The printed circuit board includes the LEDs. The LEDs indicate the status of the inputs. The cover of the printed circuit board is transparent, so that the state of the LEDs is visible even when the housing is closed.

To protect the modules from environmental influences, there are additional options for the housing.

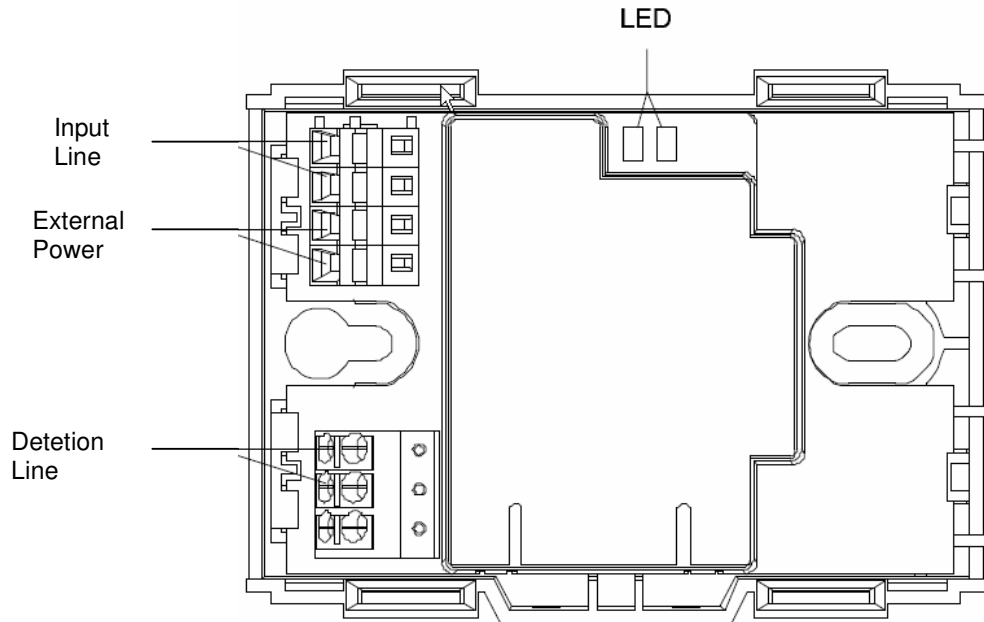


Fig. 1 Overview

Installation

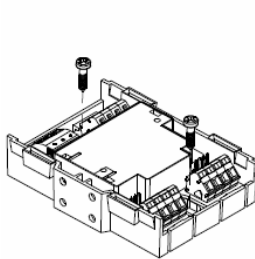


Fig. 2

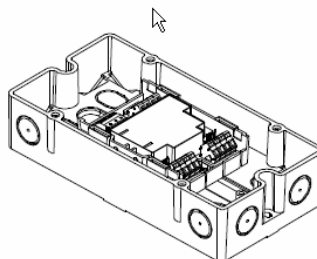


Fig. 3

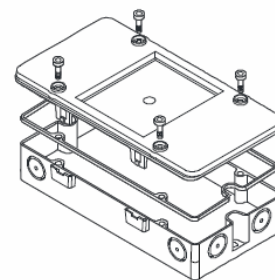


Fig. 4

Installation of FDCH221 Housing

1. Open the housing.
2. Determine the cable entries in the housing and break these open.
3. Use two screws (M 4) to fit the housing on a plane surface (Fig. 3). Distance between holes: 182.0 ± 1.0 mm.
4. Fix and guide in the cables with waterproof joint (provided by users themselves).
5. Fix the lid additionally with four screws (Fig. 4). (Only this way is IP protection guaranteed.)

Dimension

In:mm

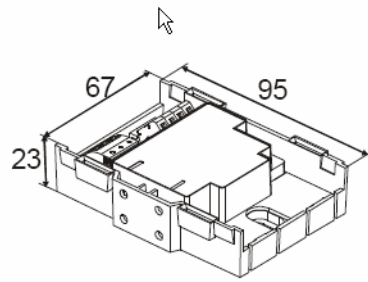


Fig. 5

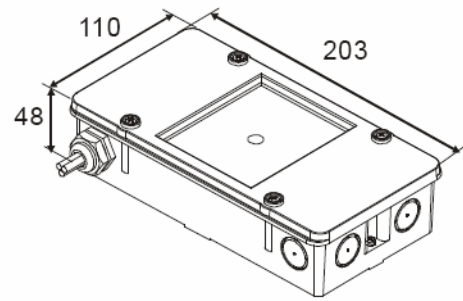


Fig. 6

Specification

Operating voltage	12 ... 32 VDC
Operating current(Quiescent)	0.33 mA
Activation current	0.45 mA
Operating temperature	0 ... +42 °C
Storage temperature	-20 ... +75 °C
Humidity	≤95 %
Communication protocol	FD18-BUS
Connection terminal	1.0 ... 1.5 mm ²
Color	white , RAL 9010
- Housing	transparent
- Cover	
Protection category EN60529 / IEC529/GB4208-93	
- With housing FDCH221	IP65

Order Information

Type	Material No.	Part No.	Designation	Weight
FDCI183	S54322-F3-A1	100856219	Transponder module	0.056 kg
FDCH221	S54312-F3-A1	100686595	Housing(IP65)	0.250 kg

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