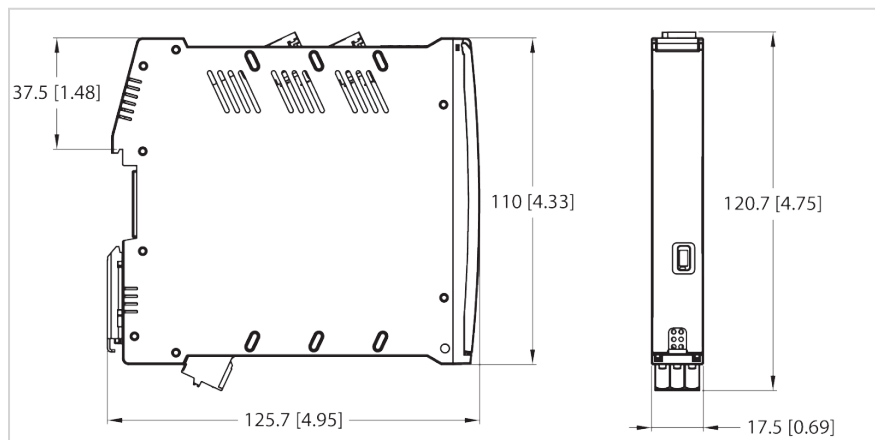


IM18-CCM45-MTI/24VDC

Cabinet guard Internal and external sensors



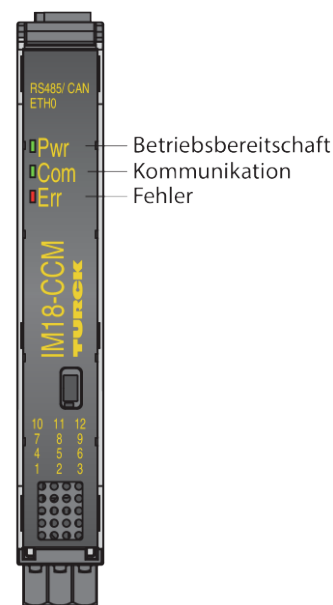
Typ	IM18-CCM45-MTI/24VDC
Ident-No.	100051370

Technical data

General data	
Device type	Cabinet guard
Power supply	
Operating voltage U_B	20...30 VDC
Nominal voltage	24 VDC
Humidity sensor	
Accuracy max.	±5 % RF im Bereich 10...90 %
Temperature sensor	
Accuracy max.	2 °C
Distance sensor	
Measuring range	45...1200 mm
Accuracy	±5 %
Mechanical data	
Dimensions	120 mm x 17,5 mm x 128 mm
Housing material	Plastic, Polycarbonate/ABS
Electrical connection	Removable spring-type terminals, 3-pin
Terminal cross-section	2.5 mm²
Design	Modular housing

Features

- PROFINET device, EtherNet/IP device or Modbus TCP server
- Interface: Ethernet
- Temperature detection
- Moisture detection
- Proximity detection
- Supply voltage 24 VDC
- DIN rail mounting
- For use in Zone 2



Technical data

Mounting instructions	DIN rail (NS35)
Environmental conditions	
Ambient temperature	-25...+70 °C
Storage temperature	-25...+75 °C
Spannungsfestigkeit und Isolation	EN 50178, EN 61010-1
Luftfeuchtigkeit	EN 60068-2-38
Emission	CISPR16
Protection class	IP20
Standards/directives	
Flammability class acc. to UL 94	V-0
Tests/approvals	
Approvals	ATEX, IECEx
Ex approval acc. to conformity certificate	IECEx TUR 25.0056X
Ex approval acc. to conformity certificate	TÜV 25 ATEX 9316X
Device designation	II 3 G Ex ec IIC T4 Gc

The IM18-CCM45-MTI/24VDC control cabinet monitor monitors temperature, relative humidity and the distance to the control cabinet door via integrated sensors. The information is transmitted via PROFINET, EtherNet/IP or Modbus TCP to higher-level systems. The device is parameterized via the device web page, which can be accessed via the TURCK Automation Suite.

To save space, the narrow, 18-mm housings can be easily mounted in any control cabinet on a DIN rail in accordance with EN 60715.

The device is equipped with removable spring-type terminals.

Product from laser class 1: The device complies with standards 21 CFR 1040.10 and 1040.11 with the exception of IEC 60825-1 Ed. 3, as described in Laser Notice No. 56 dated May 8, 2019.

Control drawing

