IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION
IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.:	**IECEx TUR 25.0056X**	Page 1 of 3	Certificate history:
Status:	**Current**	Issue No: 0	
Date of Issue:	2025-08-08		
Applicant:	**Hans Turck GmbH & CO KG** Witzlebenstrasse 7 DE 45472 Mulheim an der Ruhr **Germany**		
Equipment:	**Cabinet guard IM18-CCM*-MTI/24VDC(*)**		
Optional accessory:			
Type of Protection:	**Increased Safety "e"**		
Marking:	Ex ec IIC T4 Gc		

Approved for issue on behalf of the IECEx Certification Body:	**Christian Mehrhoff**
Position:	**Assigned certifier**
Signature: (for printed version)	
Date: (for printed version)	2025-08-08

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting www.iecex.com or use of this QR Code.

Certificate issued by:

TUV Rheinland Industrie Service GmbH
Am Grauen Stein
51105 Cologne
Germany

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Manufacturer: **Hans Turck GmbH & CO KG**
Witzlebenstrasse 7
DE 45472
Mulheim an der Ruhr
Germany

Manufacturing locations:

Hans Turck GmbH & CO KG
Witzlebenstrasse 7
DE 45472
Mulheim an der Ruhr
Germany

TURCK Beierfeld GmbH
Am Bockwald 2
08344 Grünhain-Beierfeld
Germany

Werner Turck GmbH & Co. KG
Goethestraße 7
58553 Halver
Germany

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements.This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended

STANDARDS :
The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

IEC 60079-0:2017 Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

IEC 60079-7:2017 Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
Edition:5.1

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

TEST & ASSESSMENT REPORTS:
A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Report:

DE/TUR/ExTR25.0056/00

Quality Assessment Report:

DE/PTB/QAR06.0013/11

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EQUIPMENT:
Equipment and systems covered by this Certificate are as follows:

The cabinet guard IM18-CCM*-MTI/24VDC(*) monitors temperature, relative humidity and the distance from the control cabinet door using integrated sensors. The cabinet guard is suitable for use in a Zone 2 Ex environment.

Housing		General function	Electrical version		Functions		Supply	Electrical connection variant
IM18	-	CCM	a	-	MTI	/	24VDC	b

IM18	Housing, 18mm wide, installation in switch cabinet for Zone2	
CCM	Cabinet Condition Monitoring	
a	40 45	4 Basishardware; 0 normal Linux 4 Basishardware; 5 Multi-protocol stack
MTI	Moisture Temperature Infrared	
24VDC	Supply with 24VDC	
b	blank CC	Screw Clamps Cage Clamps

Technical data:

Nominal voltage: 24VDC

Operating voltage range: 20…30 VDC

Maximum input power: 5 W

Ambient temperature: -40°C … +70°C

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. The device must be installed in an enclosure that provides a minimum protection of IP54 according to EN/IEC 60079-0.
2. The appliance shall only be used in an area with a pollution degree of at least 2, as defined.