



# (1) TYPE EXAMINATION CERTIFICATE

(2) Equipment and Protective Systems intended for use in  
Potentially Explosive Atmosphere - **Directive 2014/34/EU**

(3) Type Examination Certificate Number:

## TÜV 25 ATEX 9316X

Issue: 00

(4) Equipment: **Cabinet guard IM18-CCM\*-MTI/24VDC(\*)**

(5) Manufacturer: **Hans Turck GmbH & Co. KG**

(6) Address: **Witzlebenstraße 7  
45472 Mülheim an der Ruhr  
Germany**

(7) This product and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.

(8) The Zertifizierungsstelle für Explosionsschutz of TÜV Rheinland Industrie Service GmbH, in accordance with Article 21 of the Council Directive 2014/34/EU of 26<sup>th</sup> February 2014, certifies this product which has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmosphere, given in Annex II to the Directive.

The examination and test results are recorded in the confidential report 331 / Ex9316.00 / 25.

(9) Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the schedule of this certificate, has been assessed by reference to:

**EN IEC 60079-0: 2018**

**EN IEC 60079-7:2015/A1:2018**

(10) If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the schedule to this certificate.

(11) This Type Examination Certificate relates only to the design and specification for construction of the equipment or protective system. It does not cover the process for actual manufacture or supply of the equipment or protective system, for which further requirements of the directive are applicable.

(12) The marking of the equipment shall include the following:



**II 3 G**

**Ex ec IIC T4 Gc**

TÜV Rheinland Zertifizierungsstelle für Explosionsschutz

Cologne, 2025-08-08

  
Digital  
unterscriben  
von Christian  
Mehrhoff

This Type Examination Certificate without signature and stamp shall not be valid and may be circulated only without alteration.  
Extracts or alterations are subject to approval by Zertifizierungsstelle für Explosionsschutz of TÜV Rheinland Industrie Service GmbH.  
Am Grauen Stein • 51105 Köln • Tel. +49 (0) 221 806-0 • Fax. + 49 (0) 221 806 114

(13)

Annex to

(14)

# Type Examination Certificate

## TÜV 25 ATEX 9316X

Issue: 00

### (15) Description of Equipment

#### Equipment and type:

Cabinet guard IM18-CCM\*-MTI/24VDC(\*)

#### General product information:

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	4 Basishardware; 0 normal Linux	
	45	4 Basishardware; 5 Multi-protocol stack	
MTI	Moisture Temperature Infrared		
24VDC	Supply with 24VDC		
b	blank	Screw Clamps	
	CC	Cage Clamps	

#### Technical data:

##### Electrical data

Nominal voltage: 24VDC

Operating voltage range: 20...30 VDC

Maximum input power: 5 W

##### Environmental data

Ambient temperature: -40°C ... +70°C

(16) Test report No.: 331 / Ex9316.00 / 25

### (17) Special Conditions for safe use

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.

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(13)

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# Type Examination Certificate

## TÜV 25 ATEX 9316X

Issue: 00

### (18) Essential Health and Safety Requirements

The Essential Health and Safety Requirements are covered by the standards listed at item 9.

TÜV Rheinland Zertifizierungsstelle für Explosionsschutz

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