



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 BVS 10.0040	Page 1 of 5	<u>Certificate history:</u>
Status:	Current	Issue No: 5	Issue 4 (2018-11-21)
Date of Issue:	2024-03-08		Issue 3 (2018-07-26)
Applicant:	K.A. Schmersal GmbH & Co. KG Moeddinghofe 30 42234 Wuppertal Germany		Issue 2 (2014-02-18)
Equipment:	Position switch type EX-T*335-*Y-*		Issue 1 (2011-10-14)
Optional accessory:			Issue 0 (2010-06-16)
Type of Protection:	Flameproof Enclosures "d", Protection by Enclosure "t", Increased Safety "e"		
Marking:	Ex db eb IIC T6 Gb Ex tb IIIC T80°C Db		

Approved for issue on behalf of the IECEx
Certification Body:

Dr Franz Eickhoff

Position:

**Senior Lead Auditor, Certification Manager and officially
recognised expert**

Signature:
(for printed version)


2024-03-08

Date:
(for printed version)

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:

DEKRA Testing and Certification GmbH
Certification Body
Dinnendahlstrasse 9
44809 Bochum
Germany





IECEX Certificate of Conformity

Certificate No.: **IECEX BVS 10.0040**

Page 2 of 5

Date of issue: 2024-03-08

Issue No: 5

Manufacturer: **K. A. Schmersal GmbH & Co. KG**
Im Ostpark 2
35435 Wettenberg
Germany

Manufacturing locations: **K. A. Schmersal GmbH & Co. KG** **Schmersal Industrial Switchgear (Shanghai) Co., Ltd.**
Im Ostpark 2
35435 Wettenberg
Germany
Cao Ying Road 3336, Qingpu
Shanghai 201712
China

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 60079-1:2014](#) Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:7.0

[IEC 60079-31:2013](#) Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
Edition:2

[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/BVS/ExTR10.0058/05](#)

Quality Assessment Reports:

[DE/TUR/QAR11.0008/05](#)

[DE/TUR/QAR20.0011/03](#)



IECEX Certificate of Conformity

Certificate No.: **IECEX BVS 10.0040**

Page 3 of 5

Date of issue: 2024-03-08

Issue No: 5

EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

Subject and Type

Position switch EX-T*335-*Y-*.*

EX-T	[1]	335-	[2]	Y-	[3]-	[4]
[1]		Actuator				
		1K				Actuator 1K 335/355 Ex-335/355
		3K				Lever 3K cpl.
		10H				Lever with shaft
		7H				Lever with shaft
		7H-2138				Lever with shaft 7H-2138 (SPEZ 2138 for use as a safety switch)
		7H-RMS				Lever with shaft 7H-RMS (brass roller)
		H				Lever with shaft
		H-RMS				Lever with shaft H-RMS (brass roller)
		TR / TS				Actuator 335 (TV.S) 355
		SPEZ 2138				7H-Level
		SPEZ 2138-x				7H-Level
[2]		Contact Versions				
		11				1 NO contact / 1 NC contact
		02				0 NO contact / 2 NC contacts
[3]		Special variant				
		blank				Standard version
		2138...				Roller lever 7H for safety applications
		2831				Roller lever with adapted shift distances
		2969				Customer specification
		2970				Customer specification
		2971				Customer specification
		2983				Customer specification
[4]		Material actuating roller				
		blank				Standard version
		RMS				Brass actuating roller
		RMS-U180				

SPECIFIC CONDITIONS OF USE: NO



IECEX Certificate of Conformity

Certificate No.: **IECEX BVS 10.0040**

Page 4 of 5

Date of issue: 2024-03-08

Issue No: 5

Equipment (continued):

Description

The position switch type EX-T*335-*Y-* is designed in type of protection Increased Safety "e" and Protection by Enclosure "t" and is equipped with a switch in type of protection Flameproof Enclosure "d" and Increased safety "e" type GHG371....R....

Parameters

Rated voltage:	250	V
Rated current:	5	A
Using category	AC-1	

Ambient temperature:

- 20 °C ... +55 °C for a terminal cross-section of 2.5 mm²
- 20 °C ... +50 °C for a terminal cross-section of 1.0 mm²



IECEX Certificate of Conformity

Certificate No.: **IECEX BVS 10.0040**

Page 5 of 5

Date of issue: 2024-03-08

Issue No: 5

DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

- New type EX-T*335-*Y-2983
- Changing the coating
- Modification of the equipotential bonding conductor connection
- Changing the contact variants
- Changing the type code
- Changing manufacturing locations