



# 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](http://www.iecex.com)

Certificate No.: **IECEx BVS 10.0040**

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Certificate history:

Status: **Current**

Issue No: 6

Issue 5 (2024-03-08)

Issue 4 (2018-11-21)

Issue 3 (2018-07-26)

Issue 2 (2014-02-18)

Issue 1 (2011-10-14)

Issue 0 (2010-06-16)

Date of Issue: 2025-07-04

Applicant: **K.A. Schmersal GmbH & Co. KG**  
Moeddinghofe 30  
42234 Wuppertal  
Germany

Equipment: **Position switch type EX-T\*335-\*Y\*-\*.\***

Optional accessory:

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)

Date:  
(for printed version)

2025-07-04

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Certificate issued by:

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





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Manufacturer: **K. A. Schmersal GmbH**  
Möddinghofe 30  
42279 Wuppertal  
**Germany**

Manufacturing  
locations: **Schmersal Industrial Switchgear**  
**(Shanghai) Co., Ltd.**  
Cao Ying Road 3336, Qingpu  
Shanghai 201712  
**China**

**K. A. Schmersal GmbH & Co. KG**  
Im Ostpark 2  
35435 Wettenberg  
**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 60079-1:2014](#) 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/ExTR10.0058/06](#)

Quality Assessment Reports:

[DE/TUR/QAR11.0008/06](#)

[DE/TUR/QAR20.0011/04](#)



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## 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] -[5]

#### [1] Actuator

1K	Actuator 1K 335/355 Ex-335/355
3K	Lever 3K cpl.
4V10H	Lever with shaft
4V7H	Lever with shaft
4VH	Lever with shaft
R	Actuator 335 (TV.S) 355
S	Actuator 335 (TV.S) 355

#### [2] Contact versions (Part 1)

20	2 NO contact / 0 NC contact
11	1 NO contact / 1 NC contact
02	0 NO contact / 2 NC contacts

#### [3] Contact versions (Part 2)

Blank	Not overlapping contacts
UE	Overlapping contacts

#### [4] Material actuating roller

blank	Standard version
RMS	Brass actuating roller
RMS-U180	Brass actuating roller

#### [5] 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

**SPECIFIC CONDITIONS OF USE: NO**



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## 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 mm<sup>2</sup>  
-20 °C ... +50 °C for a terminal cross-section of 1.0 mm<sup>2</sup>



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**DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)**

- Updating the type code