

Translation

EU-Type Examination Certificate

Directive 2014/34/EU of the European Parliament and of the Council of 26 February 2014

EU-Type Examination Certificate Number: **BVS 09 ATEX E 152** Issue: **01**

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

Manufacturer: **K.A. Schmersal GmbH & Co. KG**

Address: **Moeddinghofe 30, 42234 Wuppertal, Germany**

This product and any acceptable variations thereto are specified in the appendix to this certificate and the documents referred to therein.

DEKRA Testing and Certification GmbH, Notified Body number 0158, in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in the confidential Report No. BVS PP 10.2077 EU. This issue of the EU-Type Examination Certificate replaces the previous issue of the EU-Type Examination Certificate BVS 09 ATEX E 152

Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN IEC 60079-0:2018	General requirements
EN 60079-1:2014	Flameproof enclosure "d"
EN IEC 60079-7:2015 + A1:2018	Increased Safety "e"
EN 60079-31:2014	Protection by Enclosure "t"

If the sign "X" is placed after the certificate number, it indicates that the product is subject to the "Specific Conditions of Use" listed under item 17 of this certificate.

This EU-Type Examination Certificate relates only to the technical design of the specified product in accordance with the Directive 2014/34/EU. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

The marking of the product shall include the following:

 **II 2G Ex db eb IIC T6 Gb**
II 2D Ex tb IIIC T80°C Db

DEKRA Testing and Certification GmbH
Bochum, 2024-02-26

Signed: Oliver Brumm

Managing Director

13 **Appendix**
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15 **Product description**

15.1 **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	

15.2 **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.... (PTB 07 ATEX 1048 U).

Reasons for this issue

- New type EX-T*335-*Y-2983
- Updating of the standard
EN 60079-0: 2012 + A11:2013 to EN IEC 60079-0:2018
- Changing the coating
- Modification of the equipotential bonding conductor connection
- Changing the contact variants
- Changing the type code

15.3 Parameters

Rated voltage	250 V
Rated current	5.0 A
Using category	AC-1
Ambient temperature:	-20 °C ... +55 °C for a terminal cross-section of 2.5 mm ² -20 °C ... +50 °C for a terminal cross-section of 1.0 mm ²

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17 Specific Conditions of Use

None

18 Essential Health and Safety Requirements

Met by compliance with the requirements mentioned in item 9.

19 Remarks and additional information

Drawings and documents are listed in the confidential report.

We confirm the correctness of the translation from the German original.
In the case of arbitration only the German wording shall be valid and binding.

DEKRA Testing and Certification GmbH
Bochum, 2024-02-26
BVS-(Ddo)/Kir/Mu A 20210693 / 342365900



Managing Director