



# 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.:	<b>IECEx BVS 09.0005</b>	Page 1 of 4	<u>Certificate history:</u>
Status:	<b>Current</b>	Issue No: 2	<a href="#">Issue 1 (2013-03-07)</a> <a href="#">Issue 0 (2009-01-16)</a>
Date of Issue:	2023-05-31		
Applicant:	<b>K.A. Schmersal GmbH &amp; Co. KG</b> Moeddinghofe 30 42234 Wuppertal <b>Germany</b>		
Equipment:	<b>Pull-wire emergency stop switch type EX-T3Z 068-*YR-*</b>		
Optional accessory:			
Type of Protection:	<b>Equipment dust ignition protection by enclosure "t"</b>		
Marking:	<b>Ex tb IIIC T90°C Db</b>		

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)

  
2023-05-31

Date:  
(for printed version)

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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 & Co. KG**  
(formerly Elan Schaltelemente GmbH & Co. KG)  
Möddinghofe 30  
42279 Wuppertal  
**Germany**

Manufacturing  
locations:

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 60079-31:2013** Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"  
Edition:2

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/ExTR09.0006/03**

Quality Assessment Report:

**DE/TUR/QAR11.0008/05**



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## **EQUIPMENT:**

Equipment and systems covered by this Certificate are as follows:

### **Description**

The pull-wire emergency stop switch is mounted on machines and sections of plants which are not protected by protective coverings.

The pull-wire emergency stop switch has wire-breakage monitoring.

The devices consist of a metallic single-chamber housing in the protection type protection by enclosure "t" with a built-in switching insert. On the front side, varying to type and design, is the actuating part, which operates the switching insert within the enclosure. On the side of the housing, right and left are entries for cable glands. At the bottom of the enclosure is the equipotential bonding connection

### **Subject and Type**

See Annex

### **Parameters**

See Annex

**SPECIFIC CONDITIONS OF USE: NO**



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

Updating of the standards IEC 60079-0:2011 to IEC 60079-0:2017 and IEC 60079-31:2008 to IEC 60079-31:2013

Additional information label on the enclosure and in the instructions

Updating the type codes

Changing the size of equipotential bonding conductor connection

**Annex:**

[BVS\\_09.0005\\_KaSchmersal\\_Annex2.pdf](#)



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**Annex**  
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## Subject and Type

Pull-wire emergency-stop switch

EX-T3Z 068-\*YR-\*

EX-T3Z 068-[1]YR-[2]

[1]	Contact Versions	
	11	1 NO contacts / 1 NC contact
	22	2 NO contacts / 2 NC contacts
	33	3 NO contact / 3 NC contacts
[2]	Special versions	
	(Blank)	Silver contacts
	1637	Gold-plated contacts 0.3µm

## Parameters

### Electrical data

Type EX-T3Z 068-\*YR-\*

Voltage	AC	230 V
	DC	24 V
Current	2.5 A / 6 A	

### Thermal data

Maximum surface temperature T +90°C

Permitted ambient temperature -20°C to +60°C

### Type of protection according to IEC 60529

IP66, the types marked with "z" meet IP67 as well.