## (1) EU-TYPE EXAMINATION CERTIFICATE

(2) Components intended for use in Potentially Explosive Atmosphere Directive 2014/34/EU

(3) EU-Type Examination Certificate Number:

## TÜV 22 ATEX 8851 U

Issue: 00

- (4) Component: Contact elements and indicator lights (electrical parts).
  - EX-RF03, EX-RF10 and EX-RLDEWS24
- (5) Manufacturer: K.A. Schmersal GmbH & Co. KG
- (6) Address: Möddinghofe 30 42279 Wuppertal 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, Notified Body No. 0035 in accordance with Article 21 of the Council Directive 2014/34/EU of 26th 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 components 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 557 / Ex8851.00 / 22.

(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 60079-11: 2012

- (10) The sign "U" placed after the certificate number indicates that it is a component with respectively schedule of limitations in the annex to this certificate.
- (11) This EU-Type Examination Certificate relates only to the design and specification for construction of the component. It does not cover the process for actual manufacture or supply of the component, for which further requirements of the directive are applicable.
- (12) The marking of the component shall include the following:



Cologne, 2025-04-16

TÜV Rheinland Zertifizierungsstelle für Explosionsschutz

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This EU-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 Cologne • Tel. +49 (0) 221 806-0 • Fax. + 49 (0) 221 806 114







# EU-Type Examination Certificate

### TÜV 22 ATEX 8851 U

Issue: 00

#### (15) Description of Component

#### Component and type:

Contact elements and indicator lights (electrical parts) Type EX-RF03, EX-RF10 and EX-RLDEWS24

#### General product information:

Contact elements and indicator lights (electrical parts) type EX-RF03, EX-RF10 and EX-RLDEWS24.

The contact elements and indicator lights comply with the type of protection "Ex ib" and are designed for the installation inside of appropriate enclosures or housings, which can be located in areas with a potentially explosive gas or dust atmosphere of zones 1, 2 and 21, 22.

The contact elements and indicator lights for use in potentially explosive atmospheres must only be used in appropriate housings or panels (material: stainless steel or metal with painted surface). These housings must comply with the requirements of IP 65 or higher acc. to IEC 60529 and meet the tests of enclosures acc. to EN IEC 60079-0.

#### **Technical data:**

IS electrical data: Type of protection "ib IIC" and "ib IIIC"	For connecting each element only with one in	trinsically safe circuit
Ui	Contact element EX-RF03 and EX-RF10	250 V
	Light terminal block EX-RLDEWS24	30 V
li	Contact element EX-RF03 and EX-RF10	3.3 A with Ex ib
	Light terminal block EX-RLDEWS24	Not relevant (internal current limit 30 mA)
Pi	Contact element EX-RF03 and EX-RF10 Light terminal block EX-RLDEWS24	, Not relevant
Ci		Negligible
Li		Negligible

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(13) (14)	EU-Type Examination Certificate		
		TÜV 22 ATEX 8851 U	Issue: 00
	Environmental data of conta	ict / light terminal block	
	Service temperature limits		– 25 °C+63 °C
	Number of elements	Contact element Light terminal block	2 max. (position 2 and 3) 1 max. (position 1)
	Additional Ex-related technic	cal data of contact elements and light	terminal block
	Terminal cross-section	Single strand Finely-stranded ferrules with	2 × (0.5 … 2.5 mm²) 2 × (0.5 … 1.5 mm²)
	Torque of connecting screw	protective shroud	1 Nm max.
(16)	Test report No.: 55	57 / Ex8851.00 / 22	
(17)	Schedule of Limitations		

- The contact elements and indicator lights must only be used with an appropriate housing or 1. panel (material: stainless steel or metal with painted surface). These housings must comply with the requirements of IP 65 or higher acc. to EN 60529 and the tests acc. to EN IEC 60079-0, para. 26.4.
- The presence of small dust particles must be excluded inside the dust-tight IP 65 housing. 2.

#### (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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Cologne, 2025-04-16

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