

(1) EU-Type-Examination Certificate

- (2) Equipment and protective systems intended for use in potentially explosive atmospheres, **Directive 2014/34/EU**



(3) **Certificate Number** TÜV CY 22 ATEX 0206673 X

(4) for the equipment: Photoelectric safety barrier
Type: EX-SLC440-ER-****-**-***, EX-SLG440-ER-****-**-***.


(5) of the manufacturer: **K.A. Schmersal GmbH & Co. KG**

(6) Address: Moeddinghofe 30,
42279 Wuppertal
Germany

Order number: 0206673

Date of issue: 2022-11-14

- (7) The design of this equipment or protective system and any acceptable variation thereto are specified in the schedule to this EU-Type-Examination Certificate and the documents therein referred to.
- (8) TÜV CYPRUS Ltd, notified body No. 2261 in accordance with Article 17 of the Council Directive of 2014/34/EU of February 26, 2014, certifies that this equipment or protective system has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems 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. 22 0206673.
- (9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
- EN IEC 60079-0:2018 EN 60079-1:2014 EN 60079-28:2015 EN 60079-31:2014**
- (10) If the sign "X" is placed after the certificate number, it indicates that the equipment or protective system is subject to special conditions for safe use specified in the schedule to this certificate.
- (11) This EU-Type-Examination Certificate relates only to the design, examination and tests of the specified equipment in accordance to the Directive 2014/34/EU. Further requirements of the Directive apply to the manufacturing process and supply of this equipment which are not covered by this certificate.
- (12) The marking of the equipment or protective system must include the following:

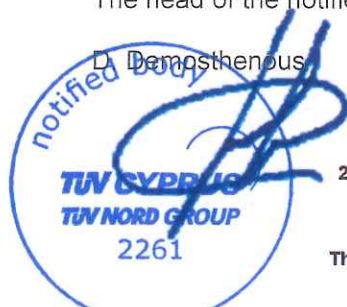
 II 2G Ex db op is IIA T6 Gb and/or
II 2D Ex op is tb IIIC T80°C Db

TÜV CYPRUS Ltd (TUV NORD Group),

The head of the notified body,


D. Demosthenous

Accredited by CYS-CYSAB
Certificate No. C 004-2



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(13) SCHEDULE

(14) EU-Type-Examination Certificate No. TÜV CY 22 ATEX 0206673 X

(15) Description of equipment

The Photoelectric safety barriers type: EX-SLC440-ER-****-**-***; EX-SLG440-ER-****-**-*** are made with single tube apparatus by two end boxes installed to the end of the glass tube and sealed by means of compound and mechanically joined by means of two tie rods.

One end box is coupled to the cover, by means of a cylindrical joint and two screws. The end box has also three threaded cable entries. Between the enclosure and the cover is installed an O-ring gasket to guarantee the water proof protection IP66.

Inside the apparatus are installed safety barrier transmitter / receiver. The system works by means of a transmitter and a receiver installed into separate fixtures. The cable entry is made by using a cable gland or sealing joint with threads compatible with those of the box and certified according to standards EN 60079-0, EN 60079-1.

Identification code:

EX-SLC440-ER	****	**	***	Type of photoelectric safety barriers
				Protected heights in mm available lengths: 0330, 0490, 0650, 0810, 0970, 1130, 1370.
				Resolution (Range) 14mm; 30mm
				Resolution (Range) → 14mm (03 ... 7m); 30mm (0.3 ... 10m) H → 14mm (3 ... 10m); 30mm (4 ... 20m)

EX-SLG440-ER	****-**-**	***	Type of photoelectric safety barriers
			Distance between outermost beams: 0500-02 → 500mm, 2 beams; 0800-03 → 800mm, 3 beams 0900-04 → 900mm, 4 beams
			→ Range 0.3 ... 12 m H → Range 4 m ... 20 m

Electrical characteristics

Rated operating voltage [Vdc] : $24 \pm 10\%$ (PELV) supply unit
Rated operating current [mA] : Emitter Max. 200 / Receiver Max. 700

Allowable ambient temperature range:

Tamb: -20°C to +50°C

Warning label:

The following warnings are applied to the photoelectric barrier:

"Do not open when energized"

(16) Test documents are listed in the test report No. 22 0206673

(17) Special conditions for safe use

- Special conditions for safe use depends on correct following of manufacturer's manual. Further modification are not allowed.
- The enclosure must be installed only in areas which are considered to be at a low risk of impact.

(18) Essential Health and Safety Requirements

This EU Type examination certificate covers only the Essential Health and Safety Requirements related to the Directive 2014/34/EU.