

UK Type-Examination Certificate



For UK Regulations SI 2008 No. 1597
The Supply of Machinery Regulations 2008

Reg.-No.: 01/205U/5874.00/23

Product tested Safety Proximity Switches **Certificate holder** K.A. Schmersal GmbH & Co. KG
Möddinghofe 30
42279 Wuppertal
Germany

Type designation CSS 8-180, CSS 15-30-2P+D-M-L
Details see Revision List

Codes and standards EN 60947-5-3:2013 EN ISO 13849-1:2015
EN ISO 14119:2013 EN 61508 Parts 1-7:2010

Intended application Position monitoring of movable safety guards. The proximity switches meet the requirements of the test standards (PDDB according to EN 60947-5-3, Cat. 4 / PL e according to EN ISO 13849-1, SIL 3 according to EN 61508, type 4 interlocking device and coding level low according to EN ISO 14119) and can be used in applications up to PL e according to EN ISO 13849-1 and SIL 3 according to EN 61508.

Specific requirements The instructions of the associated Installation, Operating and Safety Manual shall be considered.

This product is in conformity with all requirements of SCHEDULE 2, PART 1 (Annex I) of SI 2008 No. 1597.
This Type-Examination certificate refers to an evaluation of the above mentioned product as stipulated in SCHEDULE 2, PART 9 (Annex IX) of SI 2008 No. 1597.

Valid until 2026-11-24

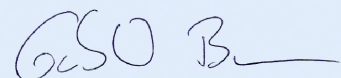
The issue of this certificate is based upon an examination, whose results are documented in Report No. 968/FSP 2343.01/22 dated 2022-12-22.

This certificate is valid only for products which are identical with the product tested.

Köln, 2023-01-23

TUV Rheinland UK Ltd.

Approved Body for Machinery, No. 2571


Dipl.-Ing. Gebhard Bouwer

| Type Designation | Description / System | Firmware Revision | Report-No. | Certification Status |
|--------------------------|---|--|--------------------|----------------------|
| CSS 8-180 + CST180 | Sicherheits-Sensor / Safety Proximity Switch | Leiterplatte unten Index H, Leiterplatte oben Index F, Leiterplatte ST unten Index B, Leiterplatte ST oben Index B, Leiterplatte Stecker Index C | 968/FSP 2343.00/21 | Valid |
| EX-CSS 8-180 + CST180 *1 | Sicherheits-Sensor / Safety Proximity Switch | Schaltplan unten Index H1, Schaltplan oben Index F1, Schaltplan ST oben Index B1 | | |
| CSS 15-30 + CST30/CST34 | Sicherheits-Sensor / Safety Proximity Switch | SW unten V2.2, SW oben V2.2, SW ST unten V2.2, SW ST oben V2.2 | | |

*1 Details zum Explosionschutz siehe Seite 5 / for ex protection please see details page 5

Sicherheitsfunktion Positionserkennung / Safety Function Guard Position Detection
Sicherheits-Sensor CSS8-180 / Safety Proximity Switch CSS 8-180

CSS 8-180- [1]- [2]- [3]- [xxxx]

| | Ausgänge / Eingänge | Output / Input |
|---------------|--|--|
| [1] | 2P 2-P-schaltende Ausgänge | 2 P-type safety outputs |
| | 2P+D 2 P-schaltende Ausgänge und ein P-schaltender Diagnoseausgang | 2 P-type safety outputs and 1 p-type signalling contact (diagnostics) |
| [2] | Sensortyp | Sensor type |
| | E End oder Einzelgerät | With diagnostic output |
| | Y Gerät für Reihenschaltung | Sensor for series-wiring |
| | M Multifunktionsanschluss | Multifunction connection |
| [3] | Anschlussart | Type of Connection |
| | L Anschlussleitung | Pre-wired cable |
| | LST Anschlussleitung mit Stecker M12 | Connecting cable with connector M12 |
| | ST integrierter Stecker M12 (Nur CSS 8-180-2P+D-M-ST) | Integrated connector M12 (only CSS 8-180-2P+D-M-ST) |
| [xxxx] | Sondervarianten | Special Versions |
| | (leer/blank) ohne Sonderfunktionen | Without special function |
| | 2742 Kunden-Spez. - mit Zubehör, einzeln verpackt | Customer -Spez. - with accessories, single packed |

Sicherheitsfunktion Positionserkennung / Safety Function Guard Position Detection
Sicherheits-Sensor EX-CSS8-180 / Safety Proximity Switch EX-CSS 8-180

EX-CSS 8-180- [1]- [2]- [3]- [4]- 3GD

| | | |
|------------|--|---|
| [1] | Ausgänge / Eingänge | Output / Input |
| | 2P+D 2 P-schaltende Ausgänge und ein P- schaltender Diagnoseausgang | 2 P-type safety outputs and 1 p-type signalling contact (diagnostics) |
| [2] | Sensortyp | Sensor type |
| | M Multifunktionsanschluss | Multifunction connection |
| [3] | Anschlussart | Type of Connection |
| | L Anschlussleitung | Pre-wired cable |

Betätiger für CSS 8-180 und EX-CSS 8-180

| | | |
|----------|------------------------------|---|
| CST180-1 | Betätiger, Kunststoffgehäuse | Actuator for CSS 8-180 and EX-CSS 8-180 Actuator, Thermoplastic enclosure |
| CST180-2 | Betätiger, Kunststoffgehäuse | Actuator, Thermoplastic enclosure |

Sicherheitsfunktion Positionserkennung / Safety Function Guard Position Detection
Sicherheits-Sensor CSS15-30 / Safety Proximity Switch EX-CSS 15-30

CSS 15-30- [1]- [2]- [3]- [4]-

| | | |
|------------|--|--|
| [1] | Ausgänge / Eingänge 2P+D 2 P-schaltende Ausgänge und ein P- schaltender Diagnoseausgang | Output / Input 2 P-type safety outputs and 1 p-type signalling contact (diagnostics) |
| [2] | Sensortyp M Multifunktionsanschluss | Sensor type Multifunction connection |
| [3] | Anschlussart L Anschlussleitung | Type of Connection Pre-wired cable |

Betätiger für CSS 15-30

| | |
|------------|------------------------------|
| CST-30-1 | Betätiger, Edelstahlgehäuse |
| CST-33-S-3 | Betätiger, Kunststoffgehäuse |

Actuator for CSS 15-30

| |
|-------------------------------------|
| Actuator, Stainless steel enclosure |
| Actuator, Thermoplastic enclosure |



Product Tested
Version Release List - Annex to Certificate
K.A. Schmersal GmbH & Co. KG • EC & UK Type-Examination
Certificates:
Reg. No.: 01/205/5874.00/21 and 01/205U/5874.00/23



Sicherheitsfunktion Positionserkennung / Safety Function Guard Position Detection
Sicherheits-Sensor – Grundgerät / Safety Proximity Switch

CSS 8-180; EX-CSS8-180; CSS15-30

Dieses Zertifikat bezieht sich nur auf die Zertifizierung der Produkte gem. der Maschinenrichtlinie 2006/42/EG.
This certificate refers only to the certification of the products acc. Machinery Directive 2006/42/EC.

Die Konformität zur Explosionsschutzrichtlinie 2014/34/EU (ATEX) wird durch den Hersteller ohne Einbezug einer Prüfstelle erklärt.
The conformity to the Explosion Protection Directive 2014/34/EU (ATEX) is declared by the manufacturer without the involvement of a notified body.

Diese Version Release Liste ist zwischen Hersteller und Zertifizierungsstelle vereinbart worden.
The content of this Revision List has been agreed between Manufacturer and Certification Body.

Versionen / Versions:

| Datum | Rev. | Beschreibung / Änderungen | Autor |
|------------|------|---|---------|
| 17.11.2021 | 1.0 | Initial creation, based on Report-No.: 968/FSP 2343.00/21 | pa/A-FS |
| 22.12.2022 | 1.1 | Update for UKCA Certification based on Report-No.: 968/FSP 2343.01/22 | He/A-FS |