

EC Type-Examination Certificate



Reg.-Nr./No.: 01/205/5635.00/18

**Prüfgegenstand
Product tested**

Multifunktionale
Sicherheitsrelaisbausteine
Multi-functional Safety Relay Units

**Zertifikats-
inhaber
Certificate
holder**

K.A. Schmersal GmbH & Co.
KG
Möddinghofe 30
42279 Wuppertal
Germany

**Typbezeichnung
Type designation**

SRB-E...
für weitere Details siehe aktuelle Revisionsliste / for further details see actual Revision List

**Prüfgrundlagen
Codes and standards**

ISO 13849-1:2015
IEC 62061:2015
ISO 13851:2002
IEC 60947-5-3:2013
IEC 61508 Parts 1-7:2010
ISO 13849-2:2012
EN 50178:1997
EN 60204-1:2006 + A1:2009 + AC:2010 (in extracts)

**Bestimmungsgemäße
Verwendung
Intended application**

Die Geräte erfüllen die Anforderungen an Kat. 4/PL e nach ISO 13849-1, SILCL 3 nach IEC 62061/IEC 61508, je nach Gerätetyp die Anforderungen an Typ 4 der EN 61496-1 mit einer BWS Typ 4, an Typ IIIC der ISO 13851 in der Konfiguration "Zwei-Hand-Schaltung" und als PDDB nach EN 60947-5-3 in Kombination mit Magnetsensoren entspr. Zertifikatsrückseite. Sie können in Anwendungen bis PL e und SIL 3 eingesetzt werden.
The devices comply with the requirements of Cat. 4/PL e acc. to ISO 13849-1, SILCL 3 acc. to IEC 62061/IEC 61508, depending on the device type with the requirements of Type 4 acc. to EN 61496-1 with an AOPD Type 4, with Type IIIC acc. to ISO 13851 in the configuration "Two-Hand Control" and as PDDB acc. to EN 60947-5-3 in combination with magnet sensors acc. to this certificate's rear page. They can be used in applications up to PL e and SIL 3.

**Besondere Bedingungen
Specific requirements**

Die Hinweise in den zugehörigen Betriebsanleitungen und die aktuelle Revisionsliste sind zu beachten.
The instructions of the associated Operating Manuals and the actual Revision List shall be considered.

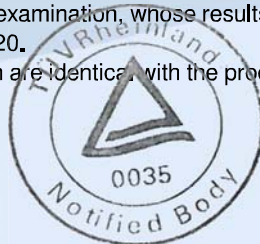
Es wird bestätigt, dass der Prüfgegenstand mit den Anforderungen nach Anhang I der Richtlinie 2006/42/EG über Maschinen übereinstimmt.
It is confirmed, that the product tested complies with the requirements for machines defined in Annex I of the EC Directive 2006/42/EC.

Gültig bis / Valid until 2023-06-20

Der Ausstellung dieses Zertifikates liegt eine Prüfung zugrunde, deren Ergebnisse im Bericht Nr. 968/M 417.03/18 vom 20.06.2018 dokumentiert sind.

Dieses Zertifikat ist nur gültig für Erzeugnisse, die mit dem Prüfgegenstand übereinstimmen.
The issue of this certificate is based upon an examination, whose results are documented in Report No. 968/M 417.03/18 dated 2018-06-20.

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



Köln, 2018-06-20

Notified Body for Machinery, NB 0035

Dipl.-Ing. Jelena Stenzel

Safety related modules / components

Type Designation SRB-E-...	Description	Device Revision	SPS Version (CRC)	HW Version (HW-ID)	Firmware Version (CRC)	Report-No.:	Certification Status
201LC	Safety-monitoring module	4.3.1	0.16 (0xB065)	G	1.0.5 (0x9B929DC8)	968/M 417.03/18	<i>Valid</i>
		5.3.x		H		968/M 417.05/21	
		5.4.x		L-10844	1.4.14 (0x487B50D1)		
201ST	Safety-monitoring module	3.3.1	0.6 (0x791D)	G	1.0.5 (0x9B929DC8)	968/M 417.03/18	
		4.3.x		H		968/M 417.05/21	
		4.4.x		L-10844	1.4.14 (0x487B50D1)		
204PE / 204PE02	Safety-monitoring module	4.3.1	0.17 (0xCACC)	G	1.0.5 (0x9B929DC8)	968/M 417.03/18	
		5.5.x (x ≥ 3)	0.18 (0xCEF4)	L-10844	1.0.9 (0xFFE5039B)	968/M 417.04/18	
		5.6.x			1.4.14 (0x487B50D1)	968/M 417.05/21	
204ST	Safety-monitoring module	4.3.1	0.17 (0xF66A)	G	1.0.5 (0x9B929DC8)	968/M 417.03/18	
		5.5.x (x ≥ 3)	0.18 (0xC295)	L-10844	1.0.9 (0xFFE5039B)	968/M 417.05/21	
		5.6.x			1.4.14 (0x487B50D1)		
212ST	Safety-monitoring module	4.4.1	0.16 (0xF304)	H-6234	3.0.7 (0x17EB5437)	968/M 417.03/18	
		4.4.x (x ≥ 2)		L-9583		968/M 417.05/21	
		4.5.x	0.16 (0xF304)	L-9583	3.4.14 (0xB01C8494)	968/M 417.05/21	
	1.2 (0xBBDE)	968/M 417.06/21					

Type Designation SRB-E-...	Description	Device Revision	SPS Version (CRC)	HW Version (HW-ID)	Firmware Version (CRC)	Report-No.:	Certification Status
232ST	Safety-monitoring module	1.2.1	0.4 (0x23D2)	H-6234	3.0.7 (0x17EB5437)	968/M 417.03/18	<i>Valid</i>
		1.2.x (x ≥ 2)		L-9583	3.4.14 (0xB01C8494)	968/M 417.05/21	
		1.3.x					
301ST	Safety-monitoring module	4.3.1	0.11 (0x709D)	F-6234	2.0.7 (0xA7ADC577)	968/M 417.03/18	
		4.3.x (x ≥ 2)		K-10844	2.4.14 (0x529FA3C1)	968/M 417.05/21	
		4.4.x					
302ST	Safety-monitoring module	1.0.0	1.4 (0x5A36)	L-9583	3.4.14 (0xB01C8494)	968/M 417.06/21	
322ST	Safety-monitoring module	4.4.1	0.14 (0x062F)	H-6234	3.0.7 (0x17EB5437)	968/M 417.05/21	
		4.4.x (x ≥ 2)		L-9583	3.4.14 (0xB01C8494)	968/M 417.05/21	
		4.5.x					
402ST	Safety-monitoring module	5.4.1	0.17 (0xA4EF)	H-6158	3.0.7 (0x17EB5437)	968/M 417.05/21	
		5.5.x		L-9583	3.4.14 (0xB01C8494)	968/M 417.05/21	
		5.6.x					
302FWS-TS	Fail-safe delay timer / Standstill monitor	1.2.x	0.14 (0xA4AA)	H	3.1.3 (0xD4B8D4B3)	968/M 417.05/21	
		1.3.x		L-9583	3.4.14 (0xB01C8494)	968/M 417.05/21	
302FWS-TS-OEM19	Fail-safe delay timer / Standstill monitor	1.0.0	1.0 (0x5312)	L-9583	3.4.14 (0xB01C8494)	968/M 417.06/21	
402FWS-TS	Fail-safe delay timer / Standstill monitor	1.2.x	0.8 (0x4B5F)	H	3.1.3 (0xD4B8D4B3)	968/M 417.05/21	
		1.3.x		L-9583	3.4.14 (0xB01C8494)	968/M 417.05/21	

User documentation

Document No. / Rev.	Description	Report-No.:	Certification Status
103010755 / A	SRB-E-204ST / -204PE / -204PE02 Operating instructions Safety-monitoring module	968/M 417.01/16	<i>Valid</i>
103010755 / C-9644		968/M 417.04/18	
103010755 / C-9644		968/M 417.05/21	
103010753 / B	SRB-E-201ST / -201LC / -301ST Operating instructions Safety-monitoring module	968/M 417.03/18	
103010753 / D-12276		968/M 417.05/21	
103010756 / B	SRB-E-212ST / -322ST Operating instructions Safety-monitoring module	968/M 417.03/18	
103010756 / D-9645		968/M 417.05/21	
103010756 / E-13354		968/M 417.06/21	
103015196 / A	SRB-E-232ST Operating instructions Safety-monitoring module	968/M 417.03/18	
103015196 / B-9661		968/M 417.05/21	
103041496 / A	SRB-E-302ST Operating instructions Safety-monitoring module	968/M 417.06/21	
103010758 / A	SRB-E-402ST Operating instructions Safety-monitoring module	968/M 417.01/16	
103010758 / C-9646		968/M 417.05/21	
103014799 / A	SRB-E-302FWS-TS Operating Instructions Fail-safe delay timer / Standstill monitor	968/M 417.03/18	
103014799 / C-9662		968/M 417.05/21	
103014799 / D-13411	SRB-E-302FWS-TS / SRB-E-302FWS-TS-OEM19 Operating Instructions Fail-safe delay timer / Standstill monitor	968/M 417.06/21	
103014800 / A	SRB-E-402FWS-TS Operating Instructions Fail-safe delay timer / Standstill monitor	968/M 417.03/18	
103014800 / C-9663		968/M 417.05/21	

The Revision List has been jointly agreed between the manufacturer and the Certification Body.

Revision:

Date	Rev.	Description / Changes	Author
2018-06-20	1.0	Initial creation, based on Report-No.: 968/M 417.03/18	bwk/A-FS
2018-09-27	1.1	Updated with type SRB-E-204PE02, based on Report-No.: 968/M 417.04/18	bwk/A-FS
2021-02-08	1.2	Updated after product modifications, based on Report-No.: 968/M 417.05/21	bwk/A-FS
2021-06-10	1.3	Updated with types SRB-E-302ST, SRB-E-302FWS-TS-OEM19 and product modification of SRB-E-212-ST, based on Report-No.: 968/M 417.06/21	bwk/A-FS