SIEMENS

Data sheet

3RV2711-0BD10



Circuit breaker size S00 for system protection with approval circuit breaker UL 489, CSA C22.2 No.5-02 A-release 0.2 A N-release 2.6 A screw terminal Standard switching capacity

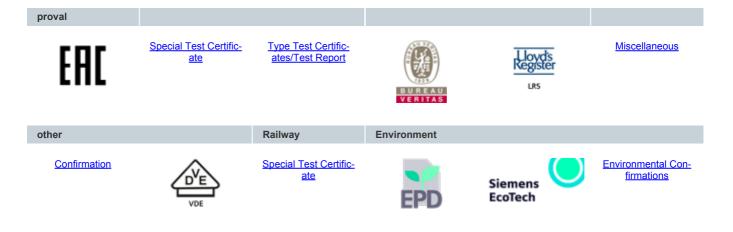


product brand name	SIRIUS
product designation	Circuit breaker
design of the product	For system protection according to UL 489/CSA C22.2 No. 5
product type designation	3RV2
General technical data	
size of the circuit-breaker	S00
product extension auxiliary switch	Yes
power loss [W] for rated value of the current	
 at AC in hot operating state 	5.5 W
 at AC in hot operating state per pole 	1.8 W
insulation voltage with degree of pollution 3 at AC rated value	690 V
surge voltage resistance rated value	6 kV
shock resistance according to IEC 60068-2-27	25 g / 11 ms (rectangular impulse and sine pulse)
mechanical service life (operating cycles)	
 of the main contacts typical 	100 000
 of auxiliary contacts typical 	100 000
electrical endurance (operating cycles) typical	100 000
reference code according to IEC 81346-2	Q
Substance Prohibitance (Date)	10/01/2009
SVHC substance name	Lead - 7439-92-1
Ambient conditions	
installation altitude at height above sea level maximum	2 000 m
ambient temperature	
during operation	-20 +60 °C
during storage	-50 +80 °C
during transport	-50 +80 °C
relative humidity during operation	10 95 %
Main circuit	
number of poles for main current circuit	3
operating voltage	
rated value	20 690 V
 at AC-3 rated value maximum 	690 V
• at AC-3e rated value maximum	690 V
operating frequency rated value	50 60 Hz
operational current rated value	0.2 A
operational current	
 at AC-3 at 400 V rated value 	0.2 A

 at AC-3e at 400 V rated value 	0.2 A
operating power	
• at AC-3	
— at 230 V rated value	0 kW
— at 400 V rated value	0.1 kW
— at 500 V rated value	0.1 kW
— at 690 V rated value	0.1 kW
• at AC-3e	0.1 100
— at 230 V rated value	0 kW
— at 400 V rated value	0.1 kW
— at 500 V rated value	0.1 kW
— at 690 V rated value	0.1 kW
operating frequency	0.1 KVV
• at AC-3 maximum	15 1/h
• at AC-3e maximum	15 1/h
Protective and monitoring functions	
product function	
ground fault detection	No
	No
phase failure detection	thermal
design of the overload release	ucina
maximum short-circuit current breaking capacity (Icu)	100 kA
at AC at 240 V rated value	100 kA
at AC at 400 V rated value	100 kA 100 kA
at AC at 500 V rated value	
at AC at 690 V rated value	100 kA
• at 480 AC Y/277 V according to UL 489 rated value	65 kA
operating short-circuit current breaking capacity (Ics) at AC	400.1.4
at 240 V rated value	100 kA
 at 400 V rated value 	100 kA
	400 1 4
• at 500 V rated value	100 kA
• at 690 V rated value	100 kA
at 690 V rated value response value current of instantaneous short-circuit trip unit	
at 690 V rated value response value current of instantaneous short-circuit trip unit Short-circuit protection	100 kA 2.6 A
at 690 V rated value response value current of instantaneous short-circuit trip unit Short-circuit protection product function short circuit protection	100 kA 2.6 A Yes
at 690 V rated value response value current of instantaneous short-circuit trip unit Short-circuit protection product function short circuit protection design of the short-circuit trip	100 kA 2.6 A
t 690 V rated value response value current of instantaneous short-circuit trip unit Short-circuit protection product function short circuit protection design of the short-circuit trip Installation/ mounting/ dimensions	100 kA 2.6 A Yes magnetic
t 690 V rated value response value current of instantaneous short-circuit trip unit Short-circuit protection product function short circuit protection design of the short-circuit trip Installation/ mounting/ dimensions mounting position	100 kA 2.6 A Yes magnetic any
tat 690 V rated value response value current of instantaneous short-circuit trip unit Short-circuit protection product function short circuit protection design of the short-circuit trip Installation/ mounting/ dimensions mounting position fastening method	100 kA 2.6 A Yes magnetic any screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715
tat 690 V rated value response value current of instantaneous short-circuit trip unit Short-circuit protection product function short circuit protection design of the short-circuit trip Installation/ mounting/ dimensions mounting position fastening method height	100 kA 2.6 A Yes magnetic any screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 144 mm
tat 690 V rated value response value current of instantaneous short-circuit trip unit Short-circuit protection product function short circuit protection design of the short-circuit trip Installation/ mounting/ dimensions mounting position fastening method height width	100 kA 2.6 A Yes magnetic any screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 144 mm 45 mm
tat 690 V rated value response value current of instantaneous short-circuit trip unit Short-circuit protection product function short circuit protection design of the short-circuit trip Installation/ mounting/ dimensions mounting position fastening method height width depth	100 kA 2.6 A Yes magnetic any screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 144 mm
tat 690 V rated value response value current of instantaneous short-circuit trip unit Short-circuit protection product function short circuit protection design of the short-circuit trip Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing	100 kA 2.6 A Yes magnetic any screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 144 mm 45 mm
tat 690 V rated value response value current of instantaneous short-circuit trip unit Short-circuit protection product function short circuit protection design of the short-circuit trip Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing o for grounded parts at 400 V	100 kA 2.6 A Yes magnetic any screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 144 mm 45 mm 97 mm
tat 690 V rated value response value current of instantaneous short-circuit trip unit Short-circuit protection product function short circuit protection design of the short-circuit trip Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • for grounded parts at 400 V — downwards	100 kA 2.6 A Yes magnetic any screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 144 mm 45 mm 97 mm
tat 690 V rated value response value current of instantaneous short-circuit trip unit Short-circuit protection product function short circuit protection design of the short-circuit trip Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing for grounded parts at 400 V — downwards — upwards	100 kA 2.6 A Yes magnetic any screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 144 mm 45 mm 97 mm 30 mm 30 mm
tat 690 V rated value response value current of instantaneous short-circuit trip unit Short-circuit protection product function short circuit protection design of the short-circuit trip Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing for grounded parts at 400 V	100 kA 2.6 A Yes magnetic any screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 144 mm 45 mm 97 mm
tat 690 V rated value response value current of instantaneous short-circuit trip unit Short-circuit protection product function short circuit protection design of the short-circuit trip Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing for grounded parts at 400 V — downwards — upwards — at the side e for live parts at 400 V	100 kA 2.6 A Yes magnetic any screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 144 mm 45 mm 97 mm 30 mm 30 mm 30 mm
tat 690 V rated value response value current of instantaneous short-circuit trip unit Short-circuit protection product function short circuit protection design of the short-circuit trip Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing for grounded parts at 400 V downwards at the side for live parts at 400 V downwards	100 kA 2.6 A Yes magnetic any screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 144 mm 45 mm 97 mm 30 mm 30 mm 30 mm
tat 690 V rated value response value current of instantaneous short-circuit trip unit Short-circuit protection product function short circuit protection design of the short-circuit trip Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing for grounded parts at 400 V downwards at the side for live parts at 400 V downwards upwards	100 kA 2.6 A Yes magnetic any screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 144 mm 45 mm 97 mm 30 mm 30 mm 30 mm 30 mm
tat 690 V rated value response value current of instantaneous short-circuit trip unit Short-circuit protection product function short circuit protection design of the short-circuit trip Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing for grounded parts at 400 V	100 kA 2.6 A Yes magnetic any screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 144 mm 45 mm 97 mm 30 mm 30 mm 30 mm
tat 690 V rated value response value current of instantaneous short-circuit trip unit Short-circuit protection product function short circuit protection design of the short-circuit trip Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing for grounded parts at 400 V - downwards - at the side	100 kA 2.6 A Yes magnetic any screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 144 mm 45 mm 97 mm 30 mm 30 mm 30 mm 30 mm 30 mm 30 mm
tat 690 V rated value response value current of instantaneous short-circuit trip unit Short-circuit protection product function short circuit protection design of the short-circuit trip Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing for grounded parts at 400 V - downwards - at the side for live parts at 400 V - downwards - upwards - at the side for grounded parts at 500 V - downwards	100 kA 2.6 A Yes magnetic any screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 144 mm 45 mm 97 mm 30 mm 30 mm 30 mm 30 mm 30 mm 30 mm 30 mm
tat 690 V rated value response value current of instantaneous short-circuit trip unit Short-circuit protection product function short circuit protection design of the short-circuit trip Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing for grounded parts at 400 V - downwards - upwards - at the side for live parts at 400 V - downwards - at the side for grounded parts at 500 V - downwards - at the side for grounded parts at 500 V - downwards - upwards - at the side	100 kA 2.6 A Yes magnetic any screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 144 mm 45 mm 97 mm 30 mm 30 mm 30 mm 30 mm 30 mm 30 mm 30 mm 30 mm
tat 690 V rated value response value current of instantaneous short-circuit trip unit Short-circuit protection product function short circuit protection design of the short-circuit trip Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing for grounded parts at 400 V - downwards - upwards - at the side for grounded parts at 500 V - downwards - at the side for grounded parts at 500 V - downwards - at the side for grounded parts at 500 V - downwards - at the side for grounded parts at 500 V - downwards - at the side for grounded parts at 500 V - downwards - at the side for grounded parts at 500 V - downwards - upwards - at the side	100 kA 2.6 A Yes magnetic any screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 144 mm 45 mm 97 mm 30 mm 30 mm 30 mm 30 mm 30 mm 30 mm 30 mm
tat 690 V rated value response value current of instantaneous short-circuit trip unit Short-circuit protection product function short circuit protection design of the short-circuit trip Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing for grounded parts at 400 V - downwards - upwards - at the side for grounded parts at 500 V - downwards - at the side for grounded parts at 500 V - downwards - at the side for grounded parts at 500 V	100 kA 2.6 A Yes magnetic any screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 144 mm 45 mm 97 mm 30 mm
tat 690 V rated value response value current of instantaneous short-circuit trip unit Short-circuit protection product function short circuit protection design of the short-circuit trip Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing for grounded parts at 400 V - downwards - upwards - at the side for grounded parts at 500 V - downwards - upwards - at the side for grounded parts at 500 V - downwards - upwards - at the side for grounded parts at 500 V - downwards - upwards - at the side for grounded parts at 500 V - downwards - upwards - at the side for live parts at 500 V - downwards - upwards - upwards - at the side for live parts at 500 V - downwards - upwards - upwards - at the side	100 kA 2.6 A Yes magnetic any screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 144 mm 45 mm 97 mm 30 mm
tat 690 V rated value response value current of instantaneous short-circuit trip unit Short-circuit protection product function short circuit protection design of the short-circuit trip Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing for grounded parts at 400 V - downwards - upwards - at the side for grounded parts at 500 V - downwards - at the side for grounded parts at 500 V - downwards - at the side for grounded parts at 500 V	100 kA 2.6 A Yes magnetic any screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 144 mm 45 mm 97 mm 30 mm
at 690 V rated value response value current of instantaneous short-circuit trip unit Short-circuit protection product function short circuit protection design of the short-circuit trip Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing ofor grounded parts at 400 V - downwards - upwards - at the side ofor ive parts at 400 V - downwards - upwards - at the side of or grounded parts at 500 V - downwards - upwards - at the side of or grounded parts at 500 V - downwards - upwards - at the side of or grounded parts at 500 V - downwards - upwards - at the side of or grounded parts at 500 V - downwards - upwards - at the side of or live parts at 500 V - downwards - upwards - at the side of or live parts at 500 V - downwards - upwards - at the side of or live parts at 500 V - downwards - upwards - at the side of or live parts at 500 V - downwards - upwards - at the side of or live parts at 500 V - downwards - upwards - at the side	100 kA 2.6 A Yes magnetic any screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 144 mm 45 mm 97 mm 30 mm
tat 690 V rated value response value current of instantaneous short-circuit trip unit Short-circuit protection product function short circuit protection design of the short-circuit trip Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing for grounded parts at 400 V - downwards - upwards - at the side for live parts at 400 V - downwards - upwards - at the side for grounded parts at 500 V - downwards - upwards - at the side for live parts at 500 V - downwards - upwards - upwards	100 kA 2.6 A Yes magnetic any screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 144 mm 45 mm 97 mm 30 mm

		70 mana
	— upwards	70 mm
 • for the parts at 600 V - downwards - downwards - downwards - backwards - backwards - backwards - bravards - drawards <		
		0 mm
		70
- Series Se		
— forwards 0 mm Connectations/i forminatis screw-type terminals Type of decirical connectors for main current circuit Top and bottom • for main contracts 110 mm ² , max. 2x 10 mm ² • endly stranded with core and processing 110 mm ² , max. 2x 10 mm ² • for main contacts 2x (1410) • for main contacts 2x (1410) • for main contacts 2x (1410) • for main contacts 010 mm ² , max. 2x 10 mm ² • for main contacts 010 mm ² , max. 2x 10 mm ² • for main contacts 010 mm ² , max. 2x 10 mm ² • for main contacts 010 mm ² , max. 2x 10 mm ² • for main contacts 010 mm ² , max. 2x 10 mm ² • for main contacts 0		
Connections/Terminals Type of dectrical connection • for main current circuit Top and bottom • for main contacts • of main contacts • ore mainte contac		
type of electrical connectors for main current circuit screw-type terminals arrangement dictuit Top and bottom type of connectable conductor cross-sections I 10 mm ² , max. 2 × 10 mm ² - findly stranded 1 10 mm ² , max. 2 × 10 mm ² - findly stranded with core and processing 2 × 10 mm ² - findly stranded with core and processing 2 × 10 mm ² - findly stranded with core and processing 2 × 10 mm ² - for main contacts 2 × 10 mm ² elosing of the connection screw 2 × 10 mm ² • for main contacts 2 × 10 mm ² elosing of the thread of the connection screw 4 × 10 mm ² • for main contacts M4 Stately related data product functions subleb for stately function yres sately related satching on No • sately related satching of F Yes setty vertated satching of Is N 31920 40 % • with high demand rate according to SN 31920 50 % I sately related satching to SN 31920 50 % I sately related satching to SN 31920 50 % I sately related satching to SN 31920 50 % I sately related satching to SN 31920 50 % </td <td></td> <td>U mm</td>		U mm
efformation screw-type terminals arrangement of electrical connectors for main current Top and bottom Type of connectable conductor cross-sections if or main contacts askid or stranded if and contracts for AWG cables for main contacts for and nontacts with screev-type terminals 2.5 3 N m design of screwtriver tip Productive screwtriver for main contacts with screev-type terminals 2.5 3 N m design of the connection screw for main contacts for and nontacts for and nontacct according to SN 31920 for and for an		
arrangement of electrical connectors for main current: circuit Top and bottom Vpo of connectable conductor cross-sections • for main contacts • for main contacts 1 10 mm*, max. 2x 10 mm* • for main contacts 2x (1410) • tor main contacts 2x (1410) elegin of screw/hyre shaft Diameter 5 to 6 mm size of the screw/hyre thaft Diameter 5 to 6 mm size of the screw/hyre shaft Diameter 5 to 6 mm size of the screw/hyre shaft Diameter 5 to 6 mm size of the screw/hyre thaft Diameter 5 to 6 mm size of the screw/hyre shaft Diameter 5 to 6 mm size of the screw/hyre shaft Diameter 5 to 6 mm size of the screw/hyre shaft Diameter 5 to 6 mm size of the screw/hyre shaft Diameter 5 to 7 min size of the screw/hyre shaft Diameter 5 to 7 min size of the screw/hyre shaft Diameter 5 to 7 min size of the screw/hyre shaft Diameter 5 to 7 min size of the screw/hyre shaft Diameter 5 to 7 min <td< td=""><td></td><td></td></td<>		
circuit Ype of connectable conductor cross-sections • for main contacts 10 mm², max. 2x 10 mm² for AVC cables for main contacts 2x (14 10) tightening torque • for main contacts with screw-type terminals 2.5 3 N m design of acrewithver shaft Diameter 5 to 8 mm size of the screwithver shaft Diameter 5 to 8 mm size of the screwithver shaft Diameter 5 to 8 mm size of the screwithver shaft Diameter 5 to 8 mm size of the screwithver shaft Diameter 5 to 8 mm size of the screwithver shaft Diameter 5 to 8 mm size of the screwithver shaft Diameter 5 to 8 mm size of the screwithver shaft Diameter 5 to 8 mm size of the screwithver shaft Diameter 5 to 8 mm size of the screwithver shaft Diameter 5 to 8 mm size of the screwithver shaft Diameter 5 to 8 mm size of the screwithver shaft Protocitic of diagnous failuns withold water screwith scre		
type of connectable conductor cross-sections • for main contacts		l op and bottom
• for main contacts - solid or standed - 10 mm², max. 2x 10 mm² - 16 mm³, max. 2x 10 mm³ - 10 m³, max. 10 mm³		
		1 10 mm². max. 2x 10 mm²
• or main contacts with screw-type terminals 2.5 3 N m design of screwdriver tip Pozdriv size 2 design of screwdriver tip Pozdriv size 2 design of the thread of the connection screw • of main contacts • of main contacts M4 State of the screwdriver tip Pozdriv size 2 gesign of the thread of the connection screw • of main contacts • of main contacts M4 State of the rule of the connection screw • of main contacts • stately related switching on No • safety-related switching OFF Yes service life maximum 10 a test wear-related service life necessary Yes proportion of dangerous failures • with high demaind rate according to SN 31920 • with high demain rate according to SN 31920 50 % B10 value with high demain rate according to SN 31920 50 % State of the scording to ISO 13849-1 3 overrdimensioning according to ISO 13849-2 necessary Yes IEC 61508 safety device type according to IEC 61508-2 Type A T1 value • for prote lest interval or service life according to IEC 6529 IP20 itouch protection on t		
• for main contacts with screw-type terminals 2.5 3 N m design of screwdriver shat Diameter 5 to 6 mm size of the screwdriver tip Pozidifivisize 2 design of the thread of the connection screw N4 Story of the screwdriver tip Pozidifivisize 2 product function suitable for safety function Yes suitability for use Image: Screwdriver tip • a safety-related switching on No • safety-related switching OFF Yes service life maximum 10 a test war-related service life necessary Yes proportion of dangerous failures 000 • with high demand rate according to SN 31920 50 % B10 value with high demand rate according to SN 31920 50 % B10 value with high demand rate according to SN 31920 50 000 failure rate [FIT] with low demand rate according to SN 31920 50 000 failure rate [SI of 13849 50 FIT device type according to ISO 13849-1 3 overdimensioning according to ISO 13849-2 for proof test interval or service life according to IEC 60529 protection class IP on the front according to IEC 60529 finger-safe,		
design of screwdriver shaft Diameter 5 to 6 mm site of the screwdriver shaft Poddriv size 2 design of the thread of the connection screw • for main contacts • for main contacts M4 Safety related data Poddriv size 2 product function suitable for safety function Yes suitability for use • safety-related switching ofF • safety-related switching OFF Yes service life maximum 10 a test wear-related service life necessary Yes proportion of dangerous failures 40 % • with low demand rate according to SN 31920 40 % • with low demand rate according to SN 31920 50 % B10 value with high demand rate according to SN 31920 50 % softwice type according to ISO 13849.1 3 device type according to ISO 13849.2 50 FIT safety device type according to ISO 13849.2 3 device type according to ISO 13849.2 3 device type according to IEC 61508.2 Type A T1 value inger-safe, for vertical contact from the front 0 safety device type according to IEC 60529 IP20 touch protection on the front according to IEC 60529 IP20 touch protection on the front according to IEC 60529 IP20 display version for switching s		2.5 3 N·m
size of the screwdriver tip Pozdriv size 2 design of the thread of the connection screw N4 softer related data Product function subble for safety function Yes suitability for use • Safety-related switching on No • safety-related switching OFF Yes service life maximum 10 a test war-rolated service life necessary Yes proportion of dangerous failures 40 % • with how demand rate according to SN 31920 50 % B10 value with high demand rate according to SN 31920 50 % B10 value with high demand rate according to SN 31920 50 % B10 value with high demand rate according to SN 31920 50 % B10 value with high demand rate according to SN 31920 50 % B10 value with high demand rate according to SN 31920 50 % B10 value with high demand rate according to SN 31920 50 % ISO 13849 device type according to ISO 13849-1 3 overdimensioning according to ISO 13849-2 necessary Yes IEC 61508 IP20 10 a Safety device type according to IEC 60529 Ipger Safet, for vertical contact from the front Display Handle Appr		
design of the thread of the connection scrow M4 Safety related data product function suitable for safety function Yes suitability for use No safety-related switching on No • safety-related switching OFF Yes service life maximum 10 a test wear-rolated service if necessary Yes Proportion of dangerous failures • • with low demand rate according to SN 31920 40 % 5000 50 % B10 value with high demand rate according to SN 31920 50 % 5000 50 FIT Sigo 13849 5000 50 FIT 503 8 safety device type according to ISO 13849-1 3 overdimensioning according to ISO 13849-2 necessary Yes LEC 61508 safety device type according to IEO 61508-2 Type A Ti value 10 a • for proof test interval or service life according to IEC 60529 IP20 touch protection class IP on the front according to IEC 60529 IP20 touch protection class IP on the front according to IEC 60529 IP20 touch protection class IP on the front according to IEC 60529 IP20 touch protection on the front according to IEC 60529 IP20 touch protection class IP on the front according to IEC 60529 IP20		
• for main contacts M4 Statey related data Product function suitable for safety function Yes product function suitable for safety function Yes • safety-related switching off Yes • safety-related switching OFF Yes service life maximum 10 a test wear-related service life necessary Yes proportion of dangerous failures 40 % • with high demand rate according to SN 31920 50 % B10 value with high demand rate according to SN 31920 50 % B10 value with high demand rate according to SN 31920 50 % Isto 3849 6wice type according to ISO 13849-1 3 device type according to ISO 13849-1 3 overdimensioning according to ISO 13849-2 necessary Yes IEC 61508 IEC 61508 Electrical Safety For proof test interval or service life according to IEC 61503-2 Type A T1 value 6 for proof test interval or service life according to IEC 60529 IP20 touch protection on the front according to IEC 60529 IP20 touch protection of switching status Handle Approvals Certificates Eneral Product Approval General Product Approval Exercite	•	
product function suitable for safety function Yes suitability for use No • safety-related switching OFF Yes service life maximum 10 a test wear-related service life necessary Yes proportion of dangerous failures • with high demand rate according to SN 31920 40 % • with high demand rate according to SN 31920 50 % B10 value with high demand rate according to SN 31920 50 % B10 value with high demand rate according to SN 31920 50 % B10 value with high demand rate according to SN 31920 50 % B10 value with high demand rate according to SN 31920 50 % B10 value with high demand rate according to SN 31920 50 % ISO 13849 device type according to ISO 13849-1 3 overdimensioning according to ISO 13849-2 necessary Yes IEC 61508 safety device type according to ISO 13849-2 Type A T1 value • for proof test interval or service life according to IEC 60529 IP20 touch protection class IP on the front according to IEC 60529 IP20 touch protection on the front according to IEC 60529 IP20 touch protection on the front according to IEC 60529 IP20 touch protection or switching status Handle Approvals Certificates General Product Approval	-	M4
product function suitable for safety function Yes suitability for use No • safety-related switching OFF Yes service life maximum 10 a test wear-related service life necessary Yes proportion of dangerous failures • with high demand rate according to SN 31920 40 % • with high demand rate according to SN 31920 50 % B10 value with high demand rate according to SN 31920 50 % B10 value with high demand rate according to SN 31920 50 % B10 value with high demand rate according to SN 31920 50 % B10 value with high demand rate according to SN 31920 50 % B10 value with high demand rate according to SN 31920 50 % ISO 13849 device type according to ISO 13849-1 3 overdimensioning according to ISO 13849-2 necessary Yes IEC 61508 safety device type according to ISO 13849-2 Type A T1 value • for proof test interval or service life according to IEC 60529 IP20 touch protection class IP on the front according to IEC 60529 IP20 touch protection on the front according to IEC 60529 IP20 touch protection on the front according to IEC 60529 IP20 touch protection or switching status Handle Approvals Certificates General Product Approval	Safety related data	
suitability for use .safety-related switching on No • safety-related switching OFF Yes service life maximum 10 a test wear-related switching Io SN 31920 40 % • with high demand rate according to SN 31920 50 % B10 value with high demand rate according to SN 31920 50 % failure rate [FIT] with low demand rate according to SN 31920 50 % ISO 13849 50 FIT device type according to ISO 13849-1 3 overdimensioning according to ISO 13849-2 necessary Yes IEC 61508 safety device type according to IEC 61508-2 Type A T1 value 10 a 10 a • for proof test interval or service life according to IEC 60529 10 a fisols Fleetrical Safety protection class IP on the front according to IEC 60529 IP20 for proof for switching status Handle Approvals Certificates Handle Approvals Certificates General Product Approval		Yes
• safety-related switching OFF Yes service life maximum 10 a test wear-related switching OFF Yes proportion of dangerous failures 40 % • with low demand rate according to SN 31920 50 % E10 value with high demand rate according to SN 31920 50 % So 120 value with high demand rate according to SN 31920 50 000 failure rate [FIT] with low demand rate according to SN 31920 50 FIT SIS 013849 6 device type according to ISO 13849-1 3 overdimensioning according to ISO 13849-2 necessary Yes IEC 61508 Safety device type according to ISO 13849-2 necessary Yes IEC 61508 Safety device type according to ISO 13849-2 necessary Yes IEC 61508 Safety device type according to IEC 61508-2 Type A T1 value 10 a 10 a • for proof test interval or service life according to IEC 60529 Inger-safe, for vertical contact from the front protection on the front according to IEC 60529 Inger-safe, for vertical contact from the front Isplay version for switching status Handle Approvals Certificats Eacerial Product Approval General Product Approval		
• safety-related switching OFF Yes service life maximum 10 a test wear-related service life necessary Yes proportion of dangerous failures • • with low demand rate according to SN 31920 40 % • with high demand rate according to SN 31920 50 % B10 value with high demand rate according to SN 31920 50 % B10 value with high demand rate according to SN 31920 50 % B10 value with high demand rate according to SN 31920 50 % B10 value with high demand rate according to SN 31920 50 % B10 value with high demand rate according to SN 31920 50 % B10 value with high demand rate according to SN 31920 50 % ISO 13849 3 50 FIT ISO 13849 3 50 FIT IEC 61508 safety device type according to IEC 61508-2 Type A T1 value 0 for proof test interval or service life according to IEC 60529 10 a electrical Safety - 120 protection on the front according to IEC 60529 IP20 touch protection on the front according to IEC 60529 Inger-safe, for vertical contact from the front Display Efficience Efficienc	-	No
service life maximum 10 a 10		
test wear-related service life necessary Yes proportion of dangerous failures 40 % • with low demand rate according to SN 31920 50 % B10 value with high demand rate according to SN 31920 50 % failure rate [FIT] with low demand rate according to SN 31920 50 % ISO 13849 50 FIT device type according to ISO 13849-1 3 overdimensioning according to ISO 13849-2 necessary Yes IEC 61508 50 FIT safety device type according to ISO 13849-2 necessary Yes IEC 61508 50 FIT safety device type according to ISO 13849-2 necessary Yes IEC 61508 50 FIT safety device type according to IEC 61508-2 Type A T1 value • for proof test interval or service life according to IEC 60529 10 a efforta Safety protection class IP on the front according to IEC 60529 IP20 touch protection on the front according to IEC 60529 Inger-safe, for vertical contact from the front Display display version for switching status Handle Approvals Certificates General Product Approval General Product Approval Confirmation		
proportion of dangerous failures 40 % • with low demand rate according to SN 31920 50 % B10 value with high demand rate according to SN 31920 50 00 failure rate [FIT] with low demand rate according to SN 31920 50 00 ISO 13849 50 FIT device type according to ISO 13849-1 3 overdimensioning according to ISO 13849-2 necessary Yes IEC 61508		
 with low demand rate according to SN 31920 with high demand rate according to SN 31920 S0 % B10 value with high demand rate according to SN 31920 S000 failure rate [FIT] with low demand rate according to SN 31920 S0 13849 device type according to ISO 13849-1 overdimensioning according to ISO 13849-2 necessary IEC 61508 safety device type according to ISO 13849-2 necessary Yes IEC 61508 safety device type according to IEC 61508-2 Type A T1 value for proof test interval or service life according to IEC 60529 for protection class IP on the front according to IEC 60529 for protection class IP on the front according to IEC 60529 for protection class IP on the front according to IEC 60529 for protection class IP on the front according to IEC 60529 for protection for switching status Handle Approvals Certificates General Product Approval KC KC 		
with high demand rate according to SN 31920 50 % B10 value with high demand rate according to SN 31920 5 000 failure rate [FIT] with low demand rate according to SN 31920 50 FIT 31920 ISO 13849 device type according to ISO 13849-1 3 overdimensioning according to ISO 13849-2 necessary Yes IEC 61508 safety device type according to IEC 61508-2 T1 value • for proof test interval or service life according to IEC 61529 rotection class IP on the front according to IEC 60529 finger-safe, for vertical contact from the front Display display version for switching status Handle Approvals Certificates General Product Approval KC		40 %
B10 value with high demand rate according to SN 31920 5 000 failure rate [FIT] with low demand rate according to SN 31920 50 FIT ISO 13849 60 FIT device type according to ISO 13849-1 3 overdimensioning according to ISO 13849-2 necessary Yes IEC 61508 safety device type according to ISO 13849-2 necessary safety device type according to ISO 13849-2 necessary Yes IEC 61508 safety device type according to IEC 61508-2 safety device type according to IEC 61508-2 Type A T1 value • for proof test interval or service life according to IEC 60529 10 a electrical Safety protection class IP on the front according to IEC 60529 IP20 touch protection on the front according to IEC 60529 IP20 display version for switching status Handle Approvals Certificates General Product Approval General Product Approval Confirmation IV US EC Confirmation IV US EC Confirmation IV	, and the second s	50 %
failure rate [FIT] with low demand rate according to SN 50 FIT 31920 ISO 13849 device type according to ISO 13849-1 3 overdimensioning according to ISO 13849-2 necessary Yes IEC 61508 IEC 61508-2 safety device type according to IEC 61508-2 Type A T1 value • for proof test interval or service life according to IEC 60529 IP20 10 a Electrical Safety IP20 touch protection on the front according to IEC 60529 IP20 touch protection on the front according to IEC 60529 IP20 touch protection on the front according to IEC 60529 Inger-safe, for vertical contact from the front Display display version for switching status Handle Approvals Certificates General Product Approval KC	B10 value with high demand rate according to SN 31920	5 000
31920 ISO 13849 device type according to ISO 13849-1 3 overdimensioning according to ISO 13849-2 necessary Yes IEC 61508 safety device type according to IEC 61508-2 Type A T1 value • for proof test interval or service life according to IEC 60529 10 a Electrical Safety protection class IP on the front according to IEC 60529 IP20 touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front Display display version for switching status Handle Approvals Certificates General Product Approval Confirmation KC Election Solution KC		50 FIT
device type according to ISO 13849-1 3 overdimensioning according to ISO 13849-2 necessary Yes IEC 61508 safety device type according to IEC 61508-2 Type A 11 value • for proof test interval or service life according to IEC 60529 10 a Electrical Safety		
overdimensioning according to ISO 13849-2 necessary Yes IEC 61508 safety device type according to IEC 61508-2 Type A T1 value • for proof test interval or service life according to IEC 61508 6 for proof test interval or service life according to IEC 60529 IP20 touch protection on the front according to IEC 60529 IP20 touch protection on the front according to IEC 60529 IP20 touch protection on the front according to IEC 60529 IP20 touch protection on the front according to IEC 60529 IP20 touch protection on the front according to IEC 60529 IP20 touch protection for switching status Handle Approvals Certificates Confirmation KC Eic-Kont.	failure rate [FIT] with low demand rate according to SN	
IEC 61508 safety device type according to IEC 61508-2 Type A Ti value • for proof test interval or service life according to IEC 61508 61508 10 a Electrical Safety protection class IP on the front according to IEC 60529 IP20 touch protection on the front according to IEC 60529 IP20 touch protection for switching status Handle Approvals Certificates Confirmation General Product Approval Confirmation KC	failure rate [FIT] with low demand rate according to SN 31920	
safety device type according to IEC 61508-2 Type A T1 value • for proof test interval or service life according to IEC 61508 10 a Electrical Safety 10 a protection class IP on the front according to IEC 60529 IP20 touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front Display display version for switching status Handle Approvals Certificates General Product Approval KC Confirmation KC KC	failure rate [FIT] with low demand rate according to SN 31920 ISO 13849	
T1 value • for proof test interval or service life according to IEC 10 a 61508 Electrical Safety IP20 touch protection class IP on the front according to IEC 60529 IP20 touch protection on the front according to IEC 60529 IP20 touch protection on the front according to IEC 60529 IP20 touch protection on the front according to IEC 60529 IP20 display version for switching status Handle Approvals Certificates General Product Approval Confirmation KC	failure rate [FIT] with low demand rate according to SN 31920 ISO 13849 device type according to ISO 13849-1 overdimensioning according to ISO 13849-2 necessary	3
• for proof test interval or service life according to IEC 10 a • for proof test interval or service life according to IEC 10 a • Electrical Safety protection class IP on the front according to IEC 60529 • protection on the front according to IEC 60529 IP20 • touch protection on the front according to IEC 60529 Inger-safe, for vertical contact from the front • Display display version for switching status Handle • Approvals Certificates General Product Approval KC • Ei-Konf. UK Confirmation	failure rate [FIT] with low demand rate according to SN 31920 ISO 13849 device type according to ISO 13849-1 overdimensioning according to ISO 13849-2 necessary	3
61508 Electrical Safety protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front Display display version for switching status Handle Approvals Certificates General Product Approval E6-Konf. UK Confirmation UL	failure rate [FIT] with low demand rate according to SN 31920 ISO 13849 device type according to ISO 13849-1 overdimensioning according to ISO 13849-2 necessary IEC 61508	3 Yes
Electrical Safety protection class IP on the front according to IEC 60529 IP20 touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front Display display version for switching status Handle Approvals Certificates General Product Approval KC EG-Konf. UK Confirmation KC	failure rate [FIT] with low demand rate according to SN 31920 ISO 13849 device type according to ISO 13849-1 overdimensioning according to ISO 13849-2 necessary IEC 61508 safety device type according to IEC 61508-2	3 Yes
protection class IP on the front according to IEC 60529 IP20 touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front Display display version for switching status Handle Approvals Certificates General Product Approval KC EG-Konf. UK Confirmation KC	failure rate [FIT] with low demand rate according to SN 31920 ISO 13849 device type according to ISO 13849-1 overdimensioning according to ISO 13849-2 necessary IEC 61508 safety device type according to IEC 61508-2 T1 value • for proof test interval or service life according to IEC	3 Yes Type A
touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front Display display version for switching status Handle Approvals Certificates General Product Approval KC Confirmation EG-Konf. UK Confirmation	failure rate [FIT] with low demand rate according to SN 31920 ISO 13849 device type according to ISO 13849-1 overdimensioning according to ISO 13849-2 necessary IEC 61508 safety device type according to IEC 61508-2 T1 value • for proof test interval or service life according to IEC 61508	3 Yes Type A
Display display version for switching status Handle Approvals Certificates General Product Approval Confirmation KC UK EG-Konf.	failure rate [FIT] with low demand rate according to SN 31920 ISO 13849 device type according to ISO 13849-1 overdimensioning according to ISO 13849-2 necessary IEC 61508 safety device type according to IEC 61508-2 T1 value • for proof test interval or service life according to IEC 61508 Electrical Safety	3 Yes Type A 10 a
display version for switching status Handle Approvals Certificates General Product Approval Confirmation KC EG-Konf. Confirmation	failure rate [FIT] with low demand rate according to SN 31920 ISO 13849 device type according to ISO 13849-1 overdimensioning according to ISO 13849-2 necessary IEC 61508 safety device type according to IEC 61508-2 T1 value • for proof test interval or service life according to IEC 61508 Electrical Safety protection class IP on the front according to IEC 60529	3 Yes Type A 10 a
Approvals Certificates General Product Approval General Product Approval Image: Confirmation of the second se	failure rate [FIT] with low demand rate according to SN 31920 ISO 13849 device type according to ISO 13849-1 overdimensioning according to ISO 13849-2 necessary IEC 61508 safety device type according to IEC 61508-2 T1 value • for proof test interval or service life according to IEC 61508 Electrical Safety protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529	3 Yes Type A 10 a
General Product Approval Confirmation EG-Konf. Confirmation	failure rate [FIT] with low demand rate according to SN 31920 ISO 13849 device type according to ISO 13849-1 overdimensioning according to ISO 13849-2 necessary IEC 61508 safety device type according to IEC 61508-2 T1 value • for proof test interval or service life according to IEC 61508 Electrical Safety protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 Display	3 Yes Type A 10 a IP20 finger-safe, for vertical contact from the front
KC KC KC KC KC KC	failure rate [FIT] with low demand rate according to SN 31920 ISO 13849 device type according to ISO 13849-1 overdimensioning according to ISO 13849-2 necessary IEC 61508 safety device type according to IEC 61508-2 T1 value • for proof test interval or service life according to IEC 61508 Electrical Safety protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 Display display version for switching status	3 Yes Type A 10 a IP20 finger-safe, for vertical contact from the front
General Product Ap- Test Certificates Marine / Shipping other	failure rate [FIT] with low demand rate according to SN 31920 ISO 13849 device type according to ISO 13849-1 overdimensioning according to ISO 13849-2 necessary IEC 61508 safety device type according to IEC 61508-2 T1 value • for proof test interval or service life according to IEC 61508 Electrical Safety protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 Display display version for switching status Approvals Certificates	3 Yes Type A 10 a IP20 finger-safe, for vertical contact from the front
	failure rate [FIT] with low demand rate according to SN 31920 ISO 13849 device type according to ISO 13849-1 overdimensioning according to ISO 13849-2 necessary IEC 61508 safety device type according to IEC 61508-2 T1 value • for proof test interval or service life according to IEC 61508 Electrical Safety protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 Display display version for switching status Approvals Certificates General Product Approval	3 Yes Type A 10 a IP20 finger-safe, for vertical contact from the front Handle

Subject to change without notice © Copyright Siemens



Further information

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

Information- and Downloadcenter (Catalogs, Brochures,...)

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RV2711-0BD10

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV2711-0BD10

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/ww/en/ps/3RV2711-0BD10

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

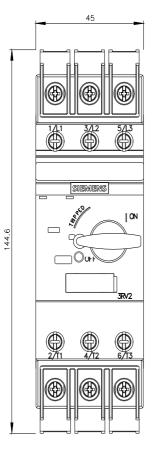
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RV2711-0BD10&lang=en

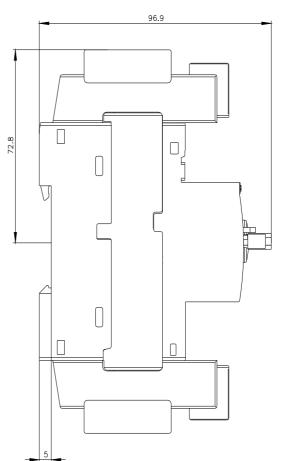
Characteristic: Tripping characteristics, I²t, Let-through current

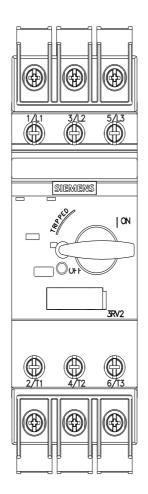
https://support.industry.siemens.com/cs/ww/en/ps/3RV2711-0BD10/char

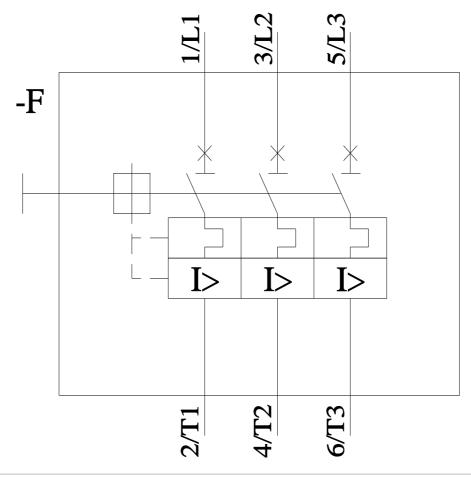
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RV2711-0BD10&objecttype=14&gridview=view1









4/12/2024 🖸