## 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

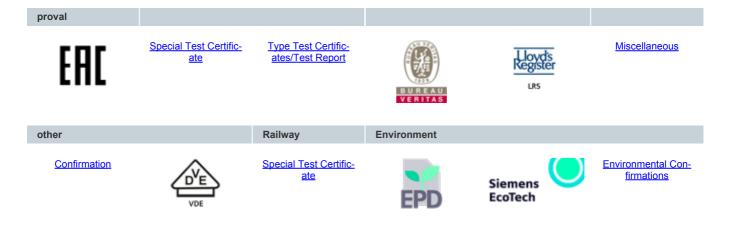


product brand name	SIRIUS
product designation	Circuit breaker
design of the product	For system protection according to UL 489/CSA C22.2 No. 5
product type designation	3RV2
General technical data	
size of the circuit-breaker	S00
product extension auxiliary switch	Yes
power loss [W] for rated value of the current	
<ul> <li>at AC in hot operating state</li> </ul>	5.5 W
<ul> <li>at AC in hot operating state per pole</li> </ul>	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)	
<ul> <li>of the main contacts typical</li> </ul>	100 000
<ul> <li>of auxiliary contacts typical</li> </ul>	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
<ul> <li>at AC-3 rated value maximum</li> </ul>	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	
<ul> <li>at AC-3 at 400 V rated value</li> </ul>	0.2 A

<ul> <li>at AC-3e at 400 V rated value</li> </ul>	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
<ul> <li>at 400 V rated value</li> </ul>	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
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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
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	— upwards	70 mm
<ul> <li>• for the parts at 600 V</li> <li>- downwards</li> <li>- downwards</li> <li>- downwards</li> <li>- backwards</li> <li>- backwards</li> <li>- backwards</li> <li>- bravards</li> <li>- drawards</li> &lt;</ul>		
		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 <sup>2</sup> , max. 2x 10 mm <sup>2</sup> • endly stranded with core and processing     110 mm <sup>2</sup> , max. 2x 10 mm <sup>2</sup> • for main contacts     2x (1410)       • for main contacts     2x (1410)       • for main contacts     2x (1410)       • for main contacts     010 mm <sup>2</sup> , max. 2x 10 mm <sup>2</sup> • for main contacts     010 mm <sup>2</sup> , max. 2x 10 mm <sup>2</sup> • for main contacts     010 mm <sup>2</sup> , max. 2x 10 mm <sup>2</sup> • for main contacts     010 mm <sup>2</sup> , max. 2x 10 mm <sup>2</sup> • for main contacts     010 mm <sup>2</sup> , max. 2x 10 mm <sup>2</sup> • 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 <sup>2</sup> , max. 2 × 10 mm <sup>2</sup> - findly stranded       1 10 mm <sup>2</sup> , max. 2 × 10 mm <sup>2</sup> - findly stranded with core and processing       2 × 10 mm <sup>2</sup> - findly stranded with core and processing       2 × 10 mm <sup>2</sup> - findly stranded with core and processing       2 × 10 mm <sup>2</sup> - for main contacts       2 × 10 mm <sup>2</sup> elosing of the connection screw       2 × 10 mm <sup>2</sup> • for main contacts       2 × 10 mm <sup>2</sup> elosing of the thread of the connection screw       4 × 10 mm <sup>2</sup> • 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 <ul> <li>if or main contacts</li> <li>askid or stranded</li> <li>if and contracts</li> <li>for AWG cables for main contacts</li> <li>for and nontacts with screev-type terminals</li> <li>2.5 3 N m</li> <li>design of screwtriver tip</li> <li>Productive screwtriver</li> <li>for main contacts with screev-type terminals</li> <li>2.5 3 N m</li> <li>design of the connection screw</li> <li>for main contacts</li> <li>for and nontacts</li> <li>for and nontacct according to SN 31920</li> <li>for and for an</li></ul>		
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 <ul> <li>- solid or standed</li> <li>- 10 mm<sup>2</sup>, max. 2x 10 mm<sup>2</sup></li> <li>- 16 mm<sup>3</sup>, max. 2x 10 mm<sup>3</sup></li> <li>- 10 m<sup>3</sup>, max. 10 mm<sup>3</sup></li></ul>		
		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		
<ul> <li>with low demand rate according to SN 31920</li> <li>with high demand rate according to SN 31920</li> <li>S0 %</li> <li>B10 value with high demand rate according to SN 31920</li> <li>S000</li> <li>failure rate [FIT] with low demand rate according to SN 31920</li> <li>S0 13849</li> <li>device type according to ISO 13849-1</li> <li>overdimensioning according to ISO 13849-2 necessary</li> <li>IEC 61508</li> <li>safety device type according to ISO 13849-2 necessary</li> <li>Yes</li> <li>IEC 61508</li> <li>safety device type according to IEC 61508-2</li> <li>Type A</li> <li>T1 value         <ul> <li>for proof test interval or service life according to IEC 60529</li> <li>for protection class IP on the front according to IEC 60529</li> <li>for protection class IP on the front according to IEC 60529</li> <li>for protection class IP on the front according to IEC 60529</li> <li>for protection class IP on the front according to IEC 60529</li> <li>for protection for switching status</li> <li>Handle</li> </ul> </li> <li>Approvals Certificates</li> <li>General Product Approval</li> <li>KC</li> <li>KC</li> </ul>		
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

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## 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, ...)

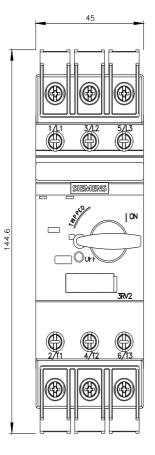
http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RV2711-0BD10&lang=en

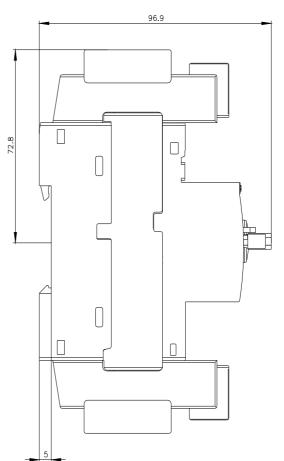
Characteristic: Tripping characteristics, I<sup>2</sup>t, Let-through current

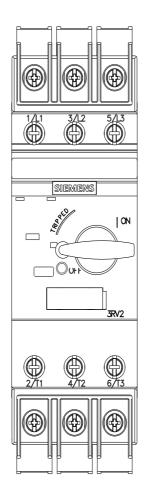
https://support.industry.siemens.com/cs/ww/en/ps/3RV2711-0BD10/char

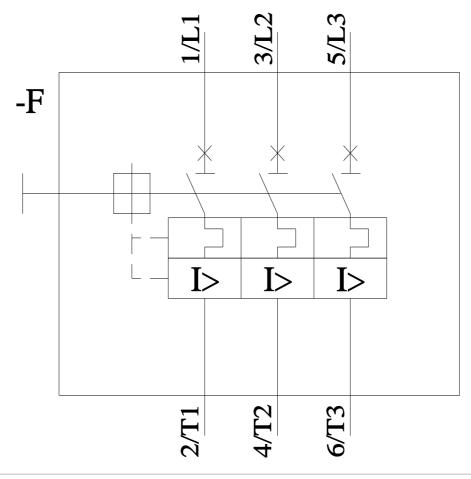
Further characteristics (e.g. electrical endurance, switching frequency)

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









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