SIEMENS

Data sheet

3RV2321-1EC20



Circuit breaker size S0 for starter combination Rated current 4 A N release 52 A Spring-type terminal Standard switching capacity

product brand name	SIRIUS
product designation	Circuit breaker
design of the product	For starter combinations
product type designation	3RV2
General technical data	
size of the circuit-breaker	SO
size of contactor can be combined company-specific	S00, S0
product extension auxiliary switch	Yes
power loss [W] for rated value of the current	
 at AC in hot operating state 	7.25 W
 at AC in hot operating state per pole 	2.4 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	25g / 11 ms
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
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	4 A
operational current	
• at AC-3 at 400 V rated value	4 A
• at AC-3e at 400 V rated value	4 A
operating power	
• at AC-3	

— at 230 V rated value	0.8 kW
— at 400 V rated value	1.5 kW
— at 500 V rated value	2.2 kW
— at 690 V rated value	3 kW
• at AC-3e	
— at 230 V rated value	0.8 kW
— at 400 V rated value	1.5 kW
— at 500 V rated value	2.2 kW
— at 690 V rated value	3 kW
operating frequency	
• at AC-3 maximum	15 1/h
• at AC-3e maximum	15 1/h
Auxiliary circuit	
	0
number of NC contacts for auxiliary contacts	
number of NO contacts for auxiliary contacts	0
number of CO contacts for auxiliary contacts	0
Protective and monitoring functions	
product function	
ground fault detection	No
phase failure detection	No
maximum short-circuit current breaking capacity (Icu)	
• at AC at 240 V rated value	100 kA
• at AC at 400 V rated value	100 kA
• at AC at 500 V rated value	100 kA
 at AC at 690 V rated value 	6 kA
operating short-circuit current breaking capacity (Ics) at AC	
 at 240 V rated value 	100 kA
 at 400 V rated value 	100 kA
 at 500 V rated value 	100 kA
• at 690 V rated value	4 kA
response value current of instantaneous short-circuit trip unit	52 A
UL/CSA ratings	
UL/CSA ratings full-load current (FLA) for 3-phase AC motor	
	4 A
full-load current (FLA) for 3-phase AC motor	4 A 4 A
full-load current (FLA) for 3-phase AC motor • at 480 V rated value	
 full-load current (FLA) for 3-phase AC motor at 480 V rated value at 600 V rated value 	
full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value yielded mechanical performance [hp]	
full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value yielded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value	4 A 0.13 hp
full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value yielded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value — at 230 V rated value	4 A
full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value yielded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value — at 230 V rated value • for 3-phase AC motor	4 A 0.13 hp 0.33 hp
full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value yielded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value — at 230 V rated value • for 3-phase AC motor — at 200/208 V rated value	4 A 0.13 hp 0.33 hp 0.8 hp
full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value yielded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value — at 230 V rated value • for 3-phase AC motor — at 200/208 V rated value — at 220/230 V rated value	4 A 0.13 hp 0.33 hp 0.8 hp 0.75 hp
full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value yielded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value • for 3-phase AC motor — at 230 V rated value • for 3-phase AC motor — at 200/208 V rated value — at 220/230 V rated value — at 460/480 V rated value	4 A 0.13 hp 0.33 hp 0.8 hp 0.75 hp 2 hp
full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value yielded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value — at 230 V rated value • for 3-phase AC motor — at 200/208 V rated value — at 220/230 V rated value — at 460/480 V rated value — at 575/600 V rated value	4 A 0.13 hp 0.33 hp 0.8 hp 0.75 hp
full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value yielded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value — at 230 V rated value • for 3-phase AC motor — at 200/208 V rated value — at 220/230 V rated value — at 460/480 V rated value — at 575/600 V rated value Short-circuit protection	4 A 0.13 hp 0.33 hp 0.8 hp 0.75 hp 2 hp 3 hp
full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value yielded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value — at 230 V rated value • for 3-phase AC motor — at 200/208 V rated value — at 220/230 V rated value — at 460/480 V rated value — at 575/600 V rated value Short-circuit protection	4 A 0.13 hp 0.33 hp 0.8 hp 0.75 hp 2 hp 3 hp
full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value yielded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value — at 230 V rated value • for 3-phase AC motor — at 200/208 V rated value — at 220/230 V rated value — at 460/480 V rated value — at 575/600 V rated value Short-circuit protection design of the short-circuit trip	4 A 0.13 hp 0.33 hp 0.8 hp 0.75 hp 2 hp 3 hp
full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value yielded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value • for 3-phase AC motor — at 230 V rated value • for 3-phase AC motor — at 200/208 V rated value — at 220/230 V rated value — at 460/480 V rated value — at 575/600 V rated value Short-circuit protection product function short circuit protection design of the short-circuit trip Installation/ mounting/ dimensions	4 A 0.13 hp 0.33 hp 0.8 hp 0.75 hp 2 hp 3 hp Yes magnetic
full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value yielded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value • for 3-phase AC motor — at 230 V rated value • for 3-phase AC motor — at 200/208 V rated value — at 220/230 V rated value — at 460/480 V rated value — at 575/600 V rated value Short-circuit protection design of the short-circuit trip Installation/ mounting/ dimensions mounting position	4 A 0.13 hp 0.33 hp 0.8 hp 0.75 hp 2 hp 3 hp Yes magnetic any
full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value yielded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value — at 230 V rated value • for 3-phase AC motor — at 200/208 V rated value — at 220/230 V rated value — at 460/480 V rated value — at 575/600 V rated value Short-circuit protection product function short circuit protection design of the short-circuit trip Installation/ mounting/ dimensions mounting position fastening method	4 A 0.13 hp 0.33 hp 0.8 hp 0.75 hp 2 hp 3 hp Yes magnetic any screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715
full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value yielded mechanical performance [hp] • for single-phase AC motor - at 110/120 V rated value - at 230 V rated value • for 3-phase AC motor - at 200/208 V rated value - at 220/230 V rated value - at 460/480 V rated value - at 575/600 V rated value Short-circuit protection design of the short-circuit trip Installation/ mounting/ dimensions mounting position fastening method height	4 A 0.13 hp 0.33 hp 0.8 hp 0.75 hp 2 hp 3 hp Yes magnetic any screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 119 mm
full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value yielded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value — at 230 V rated value • for 3-phase AC motor — at 200/208 V rated value — at 220/230 V rated value — at 460/480 V rated value — at 575/600 V rated value — at 575/600 V rated value Short-circuit protection design of the short-circuit trip Installation/ mounting/ dimensions mounting position fastening method height width	4 A 0.13 hp 0.33 hp 0.8 hp 0.75 hp 2 hp 3 hp Yes magnetic 4 4 4 5 rew and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 119 mm 45 mm
full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value yielded mechanical performance [hp] • for single-phase AC motor - at 110/120 V rated value - at 230 V rated value • for 3-phase AC motor - at 200/208 V rated value - at 220/230 V rated value - at 460/480 V rated value - at 575/600 V rated value Short-circuit protection design of the short-circuit trip Installation/ mounting/ dimensions mounting position fastening method height	4 A 0.13 hp 0.33 hp 0.8 hp 0.75 hp 2 hp 3 hp Yes magnetic any screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 119 mm
full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value yielded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value — at 230 V rated value • for 3-phase AC motor — at 200/208 V rated value — at 220/230 V rated value — at 460/480 V rated value — at 575/600 V rated value — at 575/600 V rated value Short-circuit protection design of the short-circuit trip Installation/ mounting/ dimensions mounting position fastening method height width	4 A 0.13 hp 0.33 hp 0.8 hp 0.75 hp 2 hp 3 hp Yes magnetic 4 4 4 5 rew and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 119 mm 45 mm
full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value • at 600 V rated value yielded mechanical performance [hp] • for single-phase AC motor - at 110/120 V rated value - at 230 V rated value • for 3-phase AC motor - at 200/208 V rated value - at 220/230 V rated value - at 460/480 V rated value - at 575/600 V rated value Short-circuit protection product function short circuit protection design of the short-circuit trip Installation/ mounting/ dimensions mounting position fastening method height width depth	4 A 0.13 hp 0.33 hp 0.8 hp 0.75 hp 2 hp 3 hp Yes magnetic 4 4 4 5 rew and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 119 mm 45 mm
full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value • at 600 V rated value yielded mechanical performance [hp] • for single-phase AC motor - at 110/120 V rated value • for 3-phase AC motor - at 200 V rated value • for 3-phase AC motor - at 200/208 V rated value - at 220/230 V rated value - at 460/480 V rated value - at 575/600 V rated value Short-circuit protection product function short circuit protection design of the short-circuit trip Installation/ mounting/ dimensions mounting position fastening method height width depth	4 A 0.13 hp 0.33 hp 0.8 hp 0.75 hp 2 hp 3 hp Yes magnetic any screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 119 mm 45 mm 97 mm
full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value yielded mechanical performance [hp] • for single-phase AC motor - at 110/120 V rated value - at 230 V rated value • for 3-phase AC motor - at 200/208 V rated value - at 220/230 V rated value - at 460/480 V rated value - at 575/600 V rated value Short-circuit protection design of the short-circuit trip Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • with side-by-side mounting at the side	4 A 0.13 hp 0.33 hp 0.8 hp 0.75 hp 2 hp 3 hp Yes magnetic any screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 119 mm 45 mm 97 mm
full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value yielded mechanical performance [hp] • for single-phase AC motor - at 110/120 V rated value - at 230 V rated value • for 3-phase AC motor - at 200/208 V rated value - at 220/230 V rated value - at 460/480 V rated value - at 575/600 V rated value - at 575/600 V rated value Short-circuit protection design of the short-circuit trip Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • with side-by-side mounting at the side • for grounded parts at 400 V	4 A 0.13 hp 0.33 hp 0.8 hp 0.75 hp 2 hp 3 hp Yes magnetic any screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 119 mm 45 mm 97 mm 0 mm
full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value yielded mechanical performance [hp] • for single-phase AC motor - at 110/120 V rated value • for 3-phase AC motor - at 200/208 V rated value • for 3-phase AC motor - at 200/208 V rated value - at 220/230 V rated value - at 460/480 V rated value - at 460/480 V rated value - at 575/600 V rated value 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 • with side-by-side mounting at the side • for grounded parts at 400 V - downwards	4 A 0.13 hp 0.33 hp 0.8 hp 0.75 hp 2 hp 3 hp Yes magnetic any screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 119 mm 45 mm 97 mm 0 mm 30 mm
full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value yielded mechanical performance [hp] • for single-phase AC motor - at 110/120 V rated value - at 230 V rated value • for 3-phase AC motor - at 200/208 V rated value - at 220/208 V rated value - at 220/208 V rated value - at 220/208 V rated value - at 460/480 V rated value - at 575/600 V rated value 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 • with side-by-side mounting at the side • for grounded parts at 400 V - downwards - upwards	4 A 0.13 hp 0.33 hp 0.8 hp 0.75 hp 2 hp 3 hp Yes magnetic any screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 119 mm 45 mm 97 mm 0 mm 30 mm 30 mm

 - downwards - downwards - at the side - at the sid		
 - ar the able - ar the able - ar the able - upwards <	— downwards	30 mm
 A for grounded parts at 500 V A downards A downards A downards A the side <l< td=""><td>— upwards</td><td>30 mm</td></l<>	— upwards	30 mm
 - downwards - upwards - upwar	— at the side	9 mm
- upwards 80 mm - a the ade 9 mm - downwards 30 mm - downwards 30 mm - downwards 30 mm - a the ade 9 mm - downwards 30 mm - a the ade 9 mm - a the ade 90 mm - a the ade 30 mm - b the ade 0 mm - b the ade 2 (1 m d mm) - b the ade 2 (1 m d	 for grounded parts at 500 V 	
- art the side 9 mm • or two parts at 500 V 30 mm • upwards 30 mm • upwards 30 mm • upwards 30 mm • domwards 30 mm • domwards 30 mm • upwards 50 mm • domwards 50 mm • upwards 50 mm • upwards 50 mm • backwards 50 mm • backwards 50 mm • upwards 50 mm • ot mai	— downwards	30 mm
 for the parts at 500 V downwards downwards a the side a the side a parads b parads a parads b parads b parads b parads b parads a parads b parads<td>— upwards</td><td>30 mm</td>	— upwards	30 mm
- downwards 30 mm - upwards 30 mm - upwards 30 mm - upwards 50 mm - downwards 0 mm	— at the side	9 mm
- downwards 30 mm - upwards 30 mm - upwards 30 mm - upwards 50 mm - downwards 0 mm	 for live parts at 500 V 	
	-	30 mm
 a the side or grounded parts at 600 V or grounded parts at 600 V or wards upwards or wards or wards	— upwards	
		9 mm
- downwards 50 mm - upwards 50 mm - upwards 50 mm - st be side 30 mm - downwards 0 mm - downwards 0 mm - downwards 50 mm - downwards 0 mm - downwards 50 mm - downwards 0 mm - downwards 0 mm - downds 0 mm - downds 0 mm - downds 0 mm - downds Top and bottom - forwards 2x (1 10 mm?) - downds with core end processing 2x (1 6 mm?) - downds with core end processing 2x (1 6 mm?) - of AVG cables for main contacts		
- upwards 60 mm - backwards 0 mm - forwards 0 mm - forwards 0 mm - forwards 0 mm - downwards 50 mm - upwards 50 mm - backwards 0 mm - backwards 2 (1 0 mm ⁺) - backording to ISN 31920 50 % <td></td> <td>50 mm</td>		50 mm
- backwards 0 mm - at the side 30 mm - backwards 0 mm - browards 50 mm - downwards 50 mm - backwards 50 mm - backwards 50 mm - backwards 50 mm - backwards 30 mm - backwards 50 mm - backwards 30 mm - backwards 20 mm - backwards spring-loaded terminals Transport of dectrical connectors for main current Top and bottom - final cardatals 2x (1 10 mm ²) - final cardatals 2x (1 6 mm ²) - final cardatals 2x (1 6 mm ²) - final cardatal Diameter 3 mm - size of scarwdriver tip 30 x 0.5 mm - final cardatal cardatal to according to SN 31920 50 % - with hink demand rate according to SN 31920 50 %<		
- a the side 30 mm - forwards 0 mm • or wards 50 mm • or wards 50 mm • upwards 50 mm • upwards 50 mm • upwards 50 mm • at the side 30 mm • or wards 50 mm • at the side 30 mm • or wards 0 mm • or wards 30 mm • for main current circuit spring-loaded terminals Top and bottom Top and bottom • for main contacts 2x (1 6 mm ²) • or main contacts 2x (1 6 mm ²) • or main contacts 2x (1 6 mm ²) • or main contacts 2x (1 6 mm ²) • or wards cables for main contacts 2x (1 6 mm ²) • or wards cables for main contacts 2x (1 6 mm ²) • or with stranded with core end processing 2x (1 6 mm ²) • or with stranded with core end processing 2x (1 6 mm ²) • or with stranded with core end processing 2x (1 6 mm ²) • with how demand rate according to SN 31920 50 % • with how demand rate according to SN 31920 50 % • with how demand rate according to SN 31920 50 % • with how demand rate according to SN 31920 50 % </td <td>•</td> <td></td>	•	
 − forwards 0 mm 0 for live parts at 80 v V 0 upwards 0 upwards 0 acdwards 0 mm 0 acdwards 0 mm 0 acdwards 0 mm 0 acdwards 0 mm 0 orwards 0 orma 0 orma 0 orma 0 orma 0 orma 0 orwards 0 orma 0 o		
 • for live parts at 680 V - downwards - boxwards - boxwards - boxwards - boxwards - boxwards - or wards - or wards - or wards - or main current circuit - for main current circuit - for main current circuit - or main curent circuit		
 - downwards - upwards - upwards - upwards - upwards - upwards - upwards - or mai - or wards - or wards - or wards - or wards - or maic current circuit - or maic current circuit		
- upwards 50 mm - backwards 0 mm - orwards 0 mm - forwards 0 mm Connectable contention 0 mm - formain current circuit spring-loaded terminals arrangement of electrical connectors for main current (ricuit) Top and bottom of main contract Top and bottom 0 for main contract divert divertifies 2x (1 10 mm ²) 2x (1 6 mm ²) 2x (1 6 mm ²) 0 for Mark contacts 2x (1 6 mm ²) 0 for AVG cables for main contacts 2x (1 6 mm ²) 2x (1 6 mm ²) 2x (1 6 mm ²) 2x (1 6 mm ²) 2x (1 6 mm ²) eleign of screwdriver shaft Diameter 3 mm size of the screwdriver tip 3.0 x 0.5 mm Safety related dats 5 000 propertion of dangerous failures 5 0% 0 with high demand rate according to SN 31920 50 % 10 with ow demand rate according to SN 31920 50 % 10 with ow demand rate according to EC 60529 Inger-safe, for vertical contact from the front 10 salue Top and bottom Top and bottom 10 salue tor proot fast		50 mm
- a the side - forwards 30 mm 0 mm Connections: Terminals Top of electrical connectors for main current circuit Top and bottom Op and bottom Top and bottom Top and bottom Top and bottom Op and bottom for not according to SN 31920 </td <td>•</td> <td></td>	•	
− forwards 0 mm Connections / Ferminals type of electrical connection spring-loaded terminals arrangement of electrical connectors for main current Top and bottom type of connectable conductor cross-sections • (min) • of main contacts 2x (1 10 mm ²) • of rule stranded with core end processing 2x (1 6 mm ²) • for AWG cables for main contacts 2x (1 6 mm ²) design of screwdriver shaft 3.0 x 0.5 mm size of the screwdriver tip 3.0 x 0.5 mm 8 for Value 5000 proportion of dangerous failures 5000 • with high demand rate according to SN 31920 50 % • with high demand rate according to SN 31920 50 % • with high demand rate according to SN 31920 50 % • with high demand rate according to SN 31920 50 % failure rate [FIT] • • with high demand rate according to SN 31920 50 FIT T1 value for proto test interval or service life according to IEC 60529 finger-safe, for vertical contact from the front according to IEC 60529 folder prototestion on the front according to IEC 60529 finger-safe, for vertical contact from the front according to IEC 60529 <td></td> <td></td>		
Connections/ Terminals type of electrical connection • for main current circuit arrangement of electrical connectors for main current circuit type of connectable conductor cross-sections • for main contacts - solid or stranded - finely stranded with core end processing 2x (1 6 mm ²) 3ze of the screwdriver shat Diameter 3 mm size of the screwdriver tip 3 0x 0.5 mm Safety related data B10 value		
type of electrical connection spring-loaded terminals errangement of electrical connectors for main current circuit Top and bottom type of connectable conductor cross-sections Top and bottom - finely stranded 2x (1 10 mm ³) - finely stranded with core end processing 2x (1 6 mm ³) - finely stranded without core end processing 2x (1 6 mm ³) - finely stranded without core end processing 2x (1 6 mm ³) - finely stranded without core end processing 2x (1 6 mm ³) etor MX Cables for main contacts 2x (1 6 mm ³) design of screwdriver shaft Diameter 3 mm size of the screwdriver tip 3.0 x 0.5 mm Sofety related data B10 value • with high demand rate according to SN 31920 5 000 proportion of dangerous failures 50 % • with low demand rate according to SN 31920 50 % failure rate [FIT] • with low demand rate according to IEC 60529 rouch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front display version for switching status Handle Confirmation Confirmat		U mm
• for main current circuit arrangement of electrical connectors for main current ircuit type of connectable conductor cross-sections		
arrangement of electrical connectors for main current circuit Top and bottom type of connectable conductor cross-sections for main contacts solid or standed finely stranded with core end processing finely stranded without core end processing for AWG cables for main contacts for AWG cables for main cable coording to SN 31920 for With low demand rate according to IEC 60529 for for the front according to IEC 60529 for AWG cables for switching status for AWG cables for switching status<		
circuit in a contact is in a con		
 for main contacts solid or stranded finely stranded with core end processing finely stranded without core end processing 2x (1 6 mm³) 2x (1 6 m³) 2x (1 .		Top and bottom
 solid or stranded finely stranded with core end processing finely stranded with core end processing 2x (1 6 mm³) 2x (1 6 m³) 3x (0 5 0 m) 5x of the screeding to site 3 1920 5x 0⁴ 5x 0⁴<td>type of connectable conductor cross-sections</td><td></td>	type of connectable conductor cross-sections	
 - finely stranded with core end processing - finely stranded without core end processing 2x (1 6 mm²) 30 × 0.5 mm 40 × 0.5 mm 40 × 0.5 mm 40 × 0.5 mm	 for main contacts 	
	— solid or stranded	2x (1 10 mm²)
• for AWG cables for main contacts 2x (18 8) design of screwdriver shaft Diameter 3 mm size of the screwdriver tip 3,0 x 0,5 mm Safety related data	 — finely stranded with core end processing 	2x (1 6 mm²)
design of screwdriver shaft Diameter 3 mm size of the screwdriver tip 3,0 x 0,5 mm Safety related data #10 value • with high demand rate according to SN 31920 5 000 proportion of dangerous failures 50 % • with high demand rate according to SN 31920 50 % • with high demand rate according to SN 31920 50 % • with high demand rate according to SN 31920 50 % • with how demand rate according to SN 31920 50 % • with how demand rate according to SN 31920 50 % • with low demand rate according to SN 31920 50 % failure rate [FIT] • with low demand rate according to IEC 60529 • with low demand rate according to IEC 60529 10 a 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 version for switching status Handle Certificates/ approvals Declaration of Conformity Confirmation e_ccc Confirmation	 finely stranded without core end processing 	2x (1 6 mm²)
size of the screwdriver tip 3,0 x 0,5 mm Safety related data B10 value • with high demand rate according to SN 31920 5 000 proportion of dangerous failures • with high demand rate according to SN 31920 50 % failure rate [FIT] • with high demand rate according to SN 31920 11 value for proof test interval or service life according to IEC 61508 Protection class IP on the front according to IEC 60529 display version for switching status Certificates/ approvals General Product Approval Confirmation With low lemand rate according to IEC 60529 U U U U U U U U U U U U U U U U U U U	 for AWG cables for main contacts 	2x (18 8)
Safety related data B10 value • with high demand rate according to SN 31920 proportion of dangerous failures • with low demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • with low demand rate according to SN 31920 • with low demand rate according to SN 31920 • with low demand rate according to SN 31920 • with low demand rate according to SN 31920 • with low demand rate according to SN 31920 • with low demand rate according to SN 31920 • with low demand rate according to IEC 60529 protection class IP on the front according to IEC 60529 protection on the front according to IEC 60529 finger-safe, for vertical contact from the front display version for switching status Handle Certificates/ approvals General Product Approval Confirmation u U U U U U U U U U U U U U U U U U	design of screwdriver shaft	Diameter 3 mm
B10 value • with high demand rate according to SN 31920 5 000 proportion of dangerous failures • with low demand rate according to SN 31920 50 % • with high demand rate according to SN 31920 50 % • with high demand rate according to SN 31920 50 % • with low demand rate according to SN 31920 50 % failure rate [FIT] • with low demand rate according to SN 31920 • with low demand rate according to SN 31920 50 FIT 11 value for proof test interval or service life according to IEC 60529 10 a protection class IP on the front according to IEC 60529 IP20 fouch protection on the front according to IEC 60529 Inger-safe, for vertical contact from the front display version for switching status Handle Certificates/ approvals Declaration of Conformity General Product Approval Lonfirmation Confirmation Lonfirmation u_L Line Line Line Line Line Line Line Line	size of the screwdriver tip	3,0 x 0,5 mm
 with high demand rate according to SN 31920 with low demand rate according to SN 31920 with low demand rate according to SN 31920 with high demand rate according to SN 31920 S0 % with low demand rate according to SN 31920 S0 % failure rate [FIT] with low demand rate according to SN 31920 S0 FIT T1 value for proof test interval or service life according to IEC 60529 protection class IP on the front according to IEC 60529 fouch protection on the front according to IEC 60529 display version for switching status Handle Certificates/ approvals General Product Approval Confirmation Image: Second S	Safety related data	
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Further information

Siemens has decided to exit the Russian market (see here).

https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

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=3RV2321-1EC20

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV2321-1EC20

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

https://support.industry.siemens.com/cs/ww/en/ps/3RV2321-1EC20

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

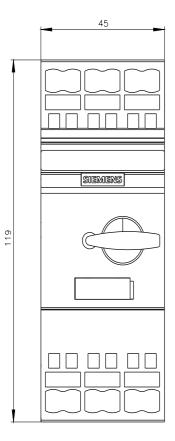
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RV2321-1EC20&lang=en

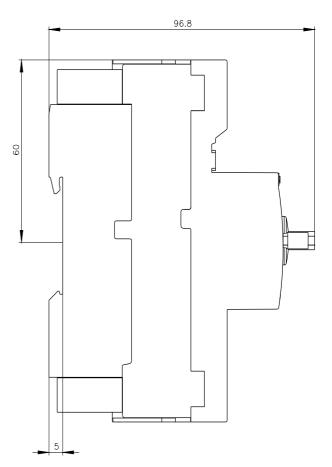
Characteristic: Tripping characteristics, I2t, Let-through current

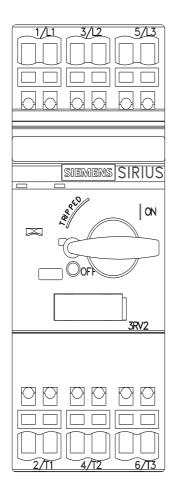
https://support.industry.siemens.com/cs/ww/en/ps/3RV2321-1EC20/char

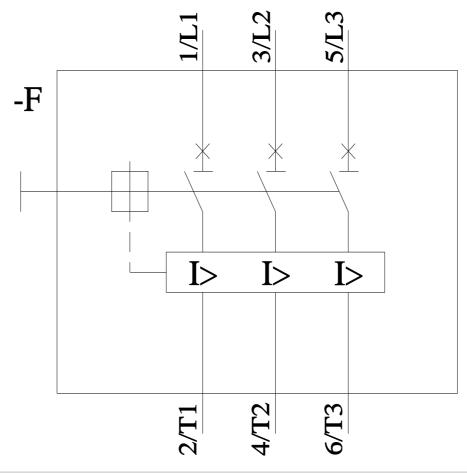
Further characteristics (e.g. electrical endurance, switching frequency)

 $\underline{http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RV2321-1EC20\&objecttype=14&gridview=view1$









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