SIEMENS

Data sheet

3RV2011-1JA10



Circuit breaker size S00 for motor protection, CLASS 10 A-release 7...10 A N release 130 A screw terminal Standard switching capacity

4/17 6/15	
product brand name	SIRIUS
product designation	Circuit breaker
design of the product	For motor protection
product type designation	3RV2
General technical data	
size of the circuit-breaker	S00
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 	9.25 W
 at AC in hot operating state per pole 	3.1 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
type of protection according to ATEX directive 2014/34/EU	Ex II (2) GD
certificate of suitability according to ATEX directive 2014/34/EU	DMT 02 ATEX F 001
reference code according to IEC 81346-2	Q
Substance Prohibitance (Date)	10/01/2009
SVHC substance name	Blei - 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
adjustable current response value current of the current- dependent overload release	7 10 A
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	10 A

operational current	
• at AC-3 at 400 V rated value	10 A
• at AC-3e at 400 V rated value	10 A
operating power	
• at AC-3	
— at 230 V rated value	2.2 kW
— at 400 V rated value	4 kW
— at 500 V rated value	5.5 kW
— at 690 V rated value	7.5 kW
• at AC-3e	
— at 230 V rated value	2.2 kW
— at 400 V rated value	4 kW
— at 500 V rated value	5.5 kW
— at 690 V rated value	7.5 kW
operating frequency	
• at AC-3 maximum	15 1/h
• at AC-3e maximum	15 1/h
Auxiliary circuit	
number of NC contacts for auxiliary contacts	0
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	Yes
trip class	CLASS 10
design of the overload release	thermal
maximum short-circuit current breaking capacity (Icu)	400 14
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	42 kA
the at AC at 690 V rated value operating short-circuit current breaking capacity (Ics) at AC	6 kA
at 240 V rated value	100 kA
• at 400 V rated value	100 kA
at 500 V rated value	42 kA
at 690 V rated value	4 kA
response value current of instantaneous short-circuit trip unit	130 A
UL/CSA ratings	100 A
full-load current (FLA) for 3-phase AC motor	
at 480 V rated value	10 A
at 600 V rated value	10 A
yielded mechanical performance [hp]	
• for single-phase AC motor	
— at 110/120 V rated value	0.5 hp
— at 230 V rated value	1.5 hp
• for 3-phase AC motor	
— at 200/208 V rated value	2 hp
— at 220/230 V rated value	3 hp
— at 460/480 V rated value	5 hp
— at 575/600 V rated value	10 hp
Short-circuit protection	
product function short circuit protection	Yes
design of the short-circuit trip	magnetic
design of the fuse link for IT network for short-circuit	
protection of the main circuit	
• at 400 V	gL/gG 50 A
● at 500 V	gL/gG 40 A
• at 690 V	gL/gG 40 A
Installation/ mounting/ dimensions	
mounting position	any

height 97 mm width 45 mm depth 97 mm regured spacing 97 mm - with side-byside mounting at the side 0 mm - dorswards 30 mm - upwards 30 mm - upwards 30 mm - at the aide 0 mm - dorswards 30 mm - upwards 30 mm	fastening method	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715				
with depin45 mmdepin97 mmeventh alde-by-side mouting at the side0 mm• for granufed parts at 400 V downards30 mm- upwards30 mm- upwards30 mm- upwards30 mm- downards30 mm- upwards30 mm- downards30 mm- upwards30 mm- downards30 mm- upwards30 mm-						
deph97 mmrequired spatis at 00 V						
required pairs ar 400 v orm - downards 30 mm - downards 30 mm - downards 30 mm - upwards 50 mm - upwar						
• with add-by-side nonuning at the add0 mm• for grounded parts at 400 V50 mm• upwards30 mm• upwards30 mm• upwards30 mm• of the parts at 400 V-• downwards30 mm• upwards30 mm• upwards50 mm• upwards50 mm• upwards50 mm• upwards30 mm• of main contacts50 mm• upwards0 mm <t< td=""><td>•</td><td></td></t<>	•					
• • or grounds of parts at 400 V•• • downwards30 mm• - at the side9 mm• • or low parts at 400 V9 mm• • downwards30 mm• - upwards30 mm• - upwards30 mm• - upwards30 mm• upwards50 mm• upwards		0 mm				
- downwards 30 mm 4 m						
- upwards30 mm- at the side9 mm- downwards30 mm- upwards30 mm- upwards9 mm- downwards9 mm- downwards30 mm- at the side9 mm- downwards30 mm- upwards30 mm- at the side9 mm- downwards30 mm- at the side9 mm- downwards30 mm- upwards30 mm- upwards50 mm- upwards50 mm- upwards30 mm- upwards30 mm- upwards50 mm <td< td=""><td>-</td><td>30 mm</td></td<>	-	30 mm				
• for live parts at 400 V9 mm- downwards30 mm0 mm to all the side9 mm• or grunded parts at 500 V9 mm- downwards30 mm- downwards9 mm- downwards90 mm• or grunded parts at 500 V9 mm- downwards30 mm- at the side9 mm- downwards30 mm- downwards30 mm- downwards30 mm- downwards30 mm- downwards30 mm- downwards30 mm- downwards50 mm- downards50 mm-						
- downwards30 mm- upwards90 mm- upwards90 mm- downwards30 mm- upwards90 mm- upwards90 mm- upwards90 mm- downwards30 mm- upwards90 mm- downwards30 mm- upwards90 mm- downwards30 mm- upwards90 mm- upwards </td <td></td> <td></td>						
- upwards 30 mm - at the side 0 mm - downwards 30 mm - downwards 30 mm - upwards 50 mm - for main current circuit screw-type terminals * upwards 2x (0.5 1.5 mm [*]), 2x 4	•	30 mm				
• for grounded parts at 500 V 30 mm - downwards 30 mm - at the side 9 mm • for live parts at 500 V 9 mm - downwards 30 mm - upwards 30 mm - upwards 30 mm - at the side 9 mm - at the side 9 mm - at the side 9 mm - downwards 50 mm - downwards 50 mm - upwards 50 mm - of itrue parts at 600 V 50 mm - of itrue parts at 600 V 50 mm - of onwards 50 mm - upwards 50 mm - upwards 50 mm - of onwards 50 mm - of on main current orbut 50 mm - of on main current orbut 50 mm • of main contacts 50 mm						
- downwards 30 mm - upwards 30 mm - upwards 30 mm - at the side 9 mm - downwards 30 mm - upwards 30 mm - downwards 50 mm - downwards 50 mm - upwards 50 mm - backwards 0 mm - backwards 0 mm - backwards 0 mm - forwards 50 mm - forwards 0 mm - downwards 50 mm - downwards 50 mm - forwards 0 mm - backwards 0 mm - downwards 50 mm - backwards 0 mm - formal notates second - formal notates 2x (0.75 2.5 mm²) 2x 4 mn² - forly is ordanded 2x (0.75 2.5 mm²) 2x 4 mn² - forly is ordanded 2x (0.75 2.5 mm²) 2x 4 mn² - forly ist		5 mm				
- upwards 30 mm - at the side 9 mm - downwards 30 mm - downwards 30 mm - upwards 30 mm - upwards 30 mm - upwards 9 mm - downwards 50 mm - downwards 50 mm - upwards 50 mm - downwards 50 mm - upwards 50 mm - upwards 50 mm - downwards 50 mm - towards 2 mothotohom </td <td></td> <td>30 mm</td>		30 mm				
- at the side9 mm• or live parts at 500 V00 mm- upwards30 mm- upwards30 mm- at the side9 mm• or grounded parts at 600 V00 mm- at the side50 mm- downwards50 mm- backwards00 mm- backwards00 mm- at the side30 mm- backwards00 mm- at the side30 mm- forwards50 mm- downwards50 mm- downwards50 mm- backwards0 mm- at the side30 mm- downwards50 mm- upwards50 mm- upwards50 mm- upwards50 mm- upwards0 mm- backwards0 mm- upwards30 mm- backwards0 mm- backwards0 mm- backwards0 mm- forwards0 mm- for and normet toriuitscrew-type terminalsarrangement of electrical connectors for main current (cruit)Top and bottomor main contacts2x (0.75 2.5 mm²), 2x 4 mm²• or main contacts2x (0.75 2.5 mm²), 2x 4 mm²• or main contacts2x (0.75 2.5 mm²), 2x 4 mm²• or main contacts2x (0.75 2.5 mm²), 2x 4 mm²• or main contacts0.8 1.2 Nm• or main contacts0.8 1.2 Nm• or main contacts0.8 1.2 Nm• or main contacts0.9 1.2 Nm• or main contacts0.9 1.2 Nm						
- downwards30 mm- upwards9 mm- downwards at 680 V9 mm- downwards at 680 V50 mm- downwards50 mm- backwards00 mm- backwards00 mm- at the side30 mm- at the side30 mm- forwards00 mm- forwards50 mm- forwards50 mm- forwards50 mm- downwards50 mm- downwards50 mm- downwards50 mm- downwards50 mm- backwards0 mm- forwards70 part bottomconnections// Torminalsscrew-type terminals- forwards2x (0,75 2,5 mm?), 2x 4 mm²- solid or stranded2x (0,75 2,5 mm?), 2x 4 mm²- solid or stranded2x (0,75 2,5 mm?), 2x 4 mm²- forwards2x (18 14), 2x 12tipflening torque2x (18 14), 2x 12- forwards0 mm- forwards0 mm- forwards0 mm- solid or stranded2x (10 1,5 mm?), 2x (0,75 2,5 mm?)- forwards0 mm- forwards0 mm- forwards0 mm- forwards0 formali contacts- forwards0 formali contacts- forwards0 formali contacts- forwards0 forma						
- upwards30 mm- at the side9 mm• for grounded parts at 600 V50 mm- downwards50 mm- backwards50 mm- backwards0 mm- backwards0 mm- at the side30 mm- forwards0 mm- forwards0 mm- downwards50 mm- forwards0 mm- forwards50 mm- downwards50 mm- downwards50 mm- backwards0 mm- backwards0 mm- backwards0 mm- backwards0 mm- backwards0 mm- forwards0 mm- formain current forcuitscrew-type terminals- formain current forcuitscrew-type terminals- for main current forcuitscrew-type terminals- for main current forcuit2x (0,75 2, 5 mm ³), 2x 4 mm ² - for main current forcuit2x (0,75 2, 5 mm ³), 2x 4 mm ² - for main current forcuit2x (0,75 2, 5 mm ³), 2x 4 mm ² - for main current forcuit2x (0,75 2, 5 mm ³), 2x 4 mm ² - for main current for the force end processing2x (0,75 2, 5 mm ³), 2x 4 m ² - for main current forcuitSumeter 5 to 6 mmsiz	•	30 mm				
at the side9 mm• for grounded parts at 690 V50 mm- downwards50 mm- downwards50 mm- backwards0 mm- backwards0 mm- at the side0 mm- for live parts at 690 V0 mm- for live parts at 690 V0 mm- downwards0 mm- downwards50 mm- downwards50 mm- downwards50 mm- downwards50 mm- downwards0 mm- downwards00 mm- downwards0 mm- backwards0 mm- backwards0 mm- backwards0 mm- for main cortextTop and bottomconnectable conductor cross-sectionsTop and bottom- for main cortexts2x (0,75 2,5 mm²), 2x 4 mm²- for main contacts2x (0,75 2,5 mm²), 2x 4 mm²- for AWG cables for main contacts2x (0,75 2,5 mm²), 2x 4 mm²- for adin contacts2x (0,75 2,5 mm²), 2x 4 mm²- for adin contacts2x (0,75 2,5 mm²), 2x 4 mm²- for adin contacts2x (0,75 2,5 mm²), 2x 4 mm²- for adin contacts2x (0,75 2,5 mm²)- for adin contacts2x (0,75 2,5 mm²), 2x 4 mm²- for adin contacts0.8 12 Nmdesign of the thread of the connection screw - for main contacts0.8 12 Nmdesign of the thread of the connection screw - for main contacts50 0%- for thin contacts50 %- for thin by demand rate according to SN 319205						
 • for grounded parts at 680 V - downwards - downwards - upwards - upwards - or wards - or wards - or wards - or wards - upwards - or wards - upwards - or wards - upwards - or wards - or main - or	•					
- downwards50 mm- upwards0 mm- backwards0 mm- forwards0 mm- forwards0 mm- forwards0 mm- downwards50 mm- upwards50 mm- upwards50 mm- upwards0 mm- backwards0 mm- the side30 mm- the side30 mm- for and0 mm- otherwards0 mm- for and current circuit30 mm- for and current circuitscrew-type terminalsTop and bottom10 part bottom- for main current circuitscrew-type terminals- for main contacts2x (0,75 2,5 mm²), 2x 4 mm²- for for anin contacts2x (0,75 2,5 mm²), 2x 4 mm²- for anin contacts0 stranded- for main contacts0 stranded <td></td> <td></td>						
		50 mm				
at the side30 mm forwards0 mm• for live parts at 690 V dowmards50 mm upwards50 mm upwards0 mm backwards0 mm at the side30 mm forwards0 mm forwards10 parts forwards10 parts forwards10 parts forwards2x (0.75 2,5 mm²), 2x 4 mm² for main contacts2x (0.75 2,5 mm²), 2x 4 mm² for dist conductor cross-sections2x (0.75 2,5 mm²), 2x 4 mm² for main contacts2x (0.75 1,5 mm²), 2x 4 mm² for main contacts2x (0.75 1,5 mm²), 2x 4 mm² for main contacts2x (0.75 1,5 mm²), 2x 4 mm² for main contacts2x (0.75 1,5 mm²), 2x 4 mm² for main contacts0.8 1,2 N·m for main contacts0.8 1,2 N·m-						
forwards0 mm• for live parts at 600 V downwards50 mm downwards50 mm backwards0 mm backwards0 mm at the side30 mm forwards0 mm forminals						
• for live parts at 890 VS0 mm- downwards50 mm- upwards0 mm- backwards0 mm- at the side30 mm- forwards0 mm- forwards0 mmConnections/ Terminals0 mmtype of electrical connectionscrew-type terminals- for main current circuitscrew-type terminalsarrangement of electrical connectors for main currentTop and bottomtype of endectrical connectors for main currentscrew-type terminals- for main contacts2x (0,75 2,5 mm²), 2x 4 mm²- for heig stranded with core end processing2x (0,75 2,5 mm²), 2x 4 mm²- for main contacts2x (0,75 2,5 mm²), 2x 4 mm²- for main contacts2x (18 14), 2x 12tightening torque0 strande- for main contacts with screw-type terminals0 strande- for main contacts0 strandesize of the screwdriver shaftDiameter 5 to 6 mmsize of the screwdriver tipPozidriv size 2design of screwdriver shaftDiameter 5 to 6 mmsize of the screwdriver tip5 000with high demand rate according to SN 3192050 %with how demand rate according to						
downwards50 mm upwards50 mm backwards0 mm backwards0 mm at the side0 mm forwards0 mmConnections/ Terminalsscrew-type terminalsarrangement of electrical connectors for main current circuitof or main current circuitscrew-type terminals* for main contacts solid or stranded2x (0.75 2,5 mm²), 2x 4 mm² solid or stranded2x (0.75 2,5 mm²), 2x 4 mm² finely stranded with core end processing2x (0.5 1,5 mm²), 2x 4 mm² finely stranded with core end processing2x (0.5 1,5 mm²), 2x 4 mm² finely stranded with core end processing0.8 1,2 N·mdesign of screwdriver shaftDiameter 5 to 6 mmsize of the screwdriver shaftDiameter 5 to 6 mmwith high demand rate according to SN 319205000• with how demand rate according to SN 31920500• with how demand rate according to SN 3192050 %• with how demand rate according to SN 3192050 %• with how demand rate according to SN 3192050 %• with how demand rate according to SN 31920<		0 mm				
- upwards50 mm- backwards0 mm- at the side30 mm- or owards0 mmconnections/ Terminals0 mmConnections/ TerminalsType of electrical connection- for main current circuitscrew-type terminalsarrangement of electrical connectors for main current circuittype of connectable conductor cross-sectionsTop and bottom- solid or stranded2x (0,75 2,5 mm²), 2x 4 mm²- solid or stranded2x (0,75 2,5 mm²), 2x 4 mm²- solid or stranded with core end processing2x (0,5 1,5 mm²), 2x (0.75 2,5 mm²)- for main contacts2x (18 14), 2x 12tightening torque for main contacts with screw-type terminals0.8 1,2 N·mdesign of the thread of the connection screw for main contactsM3state of the sconding to SN 319205 000Solid value- with high demand rate according to SN 31920- with high demand rate according to SN 3192050 %- with low demand rate according to SN 3192050 %- with low demand rate according to SN 3192050 %- with low demand rate according to SN 3192050 %- with low demand rate according to SN 3192050 %- with low demand rate according to SN 3192050 %- with low demand rate according to SN 3192050 %- with low demand rate according to SN 3192050 %- with low demand rate according to SN 3192050 %- with low		50 mm				
at the side30 mm forwards0 mmConnections/ Terminalstype of electrical connectionscrew-type terminals for main current circuitscrew-type terminalsarrangement of electrical connectors for main current circuitTop and bottomtype of connectable conductor cross-sections solid or stranded2x (0.75 2,5 mm²), 2x 4 mm² solid or stranded2x (0.75 2,5 mm²), 2x 4 mm² finely stranded with core end processing2x (0.75 2,5 mm²), 2x (0.75 2,5 mm²) for Main contacts2x (18 14), 2x 12tightening torque	•					
forwards 0 mm Connections/Terminals screw-type ferminals type of electrical connection screw-type terminals errangement of electrical connectors for main current Top and bottom circuit Top and bottom type of connectable conductor cross-sections						
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 • for MWG cables for main contacts 2x (0,75 2,5 mm²), 2x 4 mm² - finely stranded with core end processing • for MWG cables for main contacts 2x (0,75 2,5 mm²), 2x 4 mm² • for main contacts with screw-type terminals 0.8 1.2 Nrm design of screwdriver shaft Diameter 5 to 6 mm size of the screwdriver tip Pozidriv size 2 design of the thread of the connection screw • for main contacts M3 Safety related data B10 value • with high demand rate according to SN 31920 5 0 % • with high demand rate according to SN 31920 5 0 % • with low demand rate according to SN 31920 5 0 % • with high demand rate according to SN 31920 5 0 % • with low demand rate						
type of electrical connection screw-type terminals arrangement of electrical connectors for main current circuit Top and bottom type of connectable conductor cross-sections of main contacts • for main contacts 2x (0,75 2,5 mm ³), 2x 4 mm ³ - solid or stranded 2x (0,75 2,5 mm ³), 2x 4 mm ³ - finely stranded with core end processing 2x (18 14), 2x 12 tightening torque 0.8 1.2 N·m • for main contacts with screw-type terminals 0.8 1.2 N·m design of screwdriver shaft Diameter 5 to 6 mm size of the screwdriver tip Pozidriv size 2 design of the thread of the connection screw 6 or main contacts • for main contacts M3 Safety related data 5 000 proportion of dangerous failures 5 0% • 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 % • with high demand rate according to SN 31920 50 %/t • with high demand rate according to SN 31920 50 FIT T1 value for proof t		0 mm				
• for main current circuitscrew-type terminalsarrangement of electrical connectors for main current circuitTop and bottomtype of connectable conductor cross-sections• for main contacts2x (0,75 2,5 mm ³), 2x 4 mm ³ - solid or stranded2x (0,75 2,5 mm ³), 2x 4 mm ³ - finely stranded with core end processing2x (0,5 1,5 mm ³), 2x (0,75 2,5 mm ³)• for AWG cables for main contacts2x (18 14), 2x 12tightening torque0.8 1.2 N·m• for main contacts with screw-type terminals0.8 1.2 N·mdesign of screwdriver shaftDiameter 5 to 6 mmsize of the screwdriver tipPozidriv size 2• for main contactsM3Stefty related data5000stepty related data5000• with high demand rate according to SN 3192050 %• with high demand rate according to SN 3192050 %• with high demand rate according to SN 3192050 %• with high demand rate according to SN 3192050 %IT• with high demand rate according to SN 3192050 FIT• with high demand rate according to SN 3192050 FIT• with high demand rate according to SN 3192050 FIT• with high demand rate according to SN 3192050 FIT• with high demand rate according to SN 3192050 FIT						
arrangement of electrical connectors for main current circuit Top and bottom type of connectable conductor cross-sections for main contacts - solid or stranded 2x (0.75 2,5 mm²), 2x 4 mm² 2x (0.5 1.5 mm²), 2x 4 mm² 2x (0.5 1.4), 2x 12 tightening torque of main contacts with screw-type terminals 0.8 1.2 N·m design of screwdriver shaft Diameter 5 to 6 mm size of the screwdriver tip Pozidriv size 2 design of the thread of the connection screw of rmain contacts M3 Sofety related data B10 value with high demand rate according to SN 31920 50 00 proportion of dangerous failures 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 proof test interval or service life according to IEC 10 a 		screw-type terminals				
circuit Image: solid or stranded • for main contacts 2x (0,75 2,5 mm²), 2x 4 mm² - solid or stranded with core end processing 2x (0,5 1,5 mm²), 2x (0.75 2,5 mm²) • for AWG cables for main contacts 2x (0.5 1,5 mm²), 2x (0.75 2,5 mm²) • for MWG cables for main contacts 2x (0.5 1,5 mm²), 2x (0.75 2,5 mm²) • for main contacts with screw-type terminals 0.8 12, N·m • for main contacts with screw-type terminals 0.8 1.2 N·m design of screwdriver shaft Diameter 5 to 6 mm size of the screwdriver shaft Diameter 5 to 6 mm size of the screwdriver shaft M3 • for main contacts M3 Sofety related data 5000 eivith 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 % • 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 %IT • with high demand rate according to SN 31920 50 FIT • with high demand rate according to SN 31920 50 FIT						
• for main contacts2x (0,75 2,5 mm²), 2x 4 mm²- solid or stranded2x (0,75 2,5 mm²), 2x 4 mm²- finely stranded with core end processing2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)• for AWG cables for main contacts2x (18 14), 2x 12tightening torque	•					
solid or stranded2x (0,75 2,5 mm²), 2x 4 mm²finely stranded with core end processing2x (0.5 1,5 mm²), 2x (0.75 2.5 mm²)- for AWG cables for main contacts2x (18 14), 2x 12tightening torque	type of connectable conductor cross-sections					
finely stranded with core end processing2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)• for AWG cables for main contacts2x (18 14), 2x 12tightening torque2x (18 14), 2x 12• for main contacts with screw-type terminals0.8 1.2 N·mdesign of screwdriver shaftDiameter 5 to 6 mmsize of the screwdriver tipPozidriv size 2design of the thread of the connection screwM3• for main contactsM3Safety related data5 000B10 value5 000• with high demand rate according to SN 3192050 %• with low demand rate according to SN 3192050 %• with high demand rate according to SN 3192050 %failure rate [FIT]50 %• with how demand rate according to SN 3192050 FITT1 value for proof test interval or service life according to IEC10 a	• for main contacts					
• for AWG cables for main contacts2x (18 14), 2x 12tightening torque	— solid or stranded	2x (0,75 2,5 mm²), 2x 4 mm²				
tightening torque0.8 1.2 N·mdesign of screwdriver shaftDiameter 5 to 6 mmsize of the screwdriver tipPozidriv size 2design of the thread of the connection screw• for main contactsM3Safety related dataE10 value• with high demand rate according to SN 319205 000proportion of dangerous failures50 %• with high demand rate according to SN 3192050 %• with high demand rate according to SN 3192050 %• with high demand rate according to SN 3192050 %• with high demand rate according to SN 3192050 %• with high demand rate according to SN 3192050 %• with high demand rate according to SN 3192050 %• with high demand rate according to SN 3192050 %• with high demand rate according to SN 3192050 %• with high demand rate according to SN 3192050 %• with how demand rate according to SN 3192050 FIT• with low demand rate according to SN 3192050 FIT• with low demand rate according to SN 3192050 FIT	- finely stranded with core end processing	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)				
• for main contacts with screw-type terminals0.8 1.2 N·mdesign of screwdriver shaftDiameter 5 to 6 mmsize of the screwdriver tipPozidriv size 2design of the thread of the connection screwM3• for main contactsM3Safety related data5000B10 value5000• with high demand rate according to SN 319205000• with high demand rate according to SN 3192050 %• with high demand rate according to SN 3192050 %• with high demand rate according to SN 3192050 %• with high demand rate according to SN 3192050 %• with high demand rate according to SN 3192050 %• with high demand rate according to SN 3192050 %• with high demand rate according to SN 3192050 FIT• with low demand rate according to SN 3192050 FIT• with low demand rate according to SN 3192050 FIT	 for AWG cables for main contacts 	2x (18 14), 2x 12				
design of screwdriver shaftDiameter 5 to 6 mmsize of the screwdriver tipPozidriv size 2design of the thread of the connection screwPozidriv size 2o for main contactsM3Safety related dataSafety related dataB10 value5 000o with high demand rate according to SN 319205 000proportion of dangerous failures50 %o with how demand rate according to SN 3192050 %failure rate [FIT]50 %o with how demand rate according to SN 3192050 FITT1 value for proof test interval or service life according to IEC10 a	tightening torque					
size of the screwdriver tip Pozidriv size 2 design of the thread of the connection screw M3 o for main contacts M3 Safety related data 5000 B10 value 5000 o with high demand rate according to SN 31920 5000 proportion of dangerous failures 50% o with high demand rate according to SN 31920 50% failure rate [FIT] 50% o with how demand rate according to SN 31920 50 FIT T1 value for proof test interval or service life according to IEC 10 a	 for main contacts with screw-type terminals 	0.8 1.2 N·m				
design of the thread of the connection screw M3 a for main contacts M3 Safety related data E10 value a with high demand rate according to SN 31920 5 000 proportion of dangerous failures 50 % a with high demand rate according to SN 31920 50 % b with high demand rate according to SN 31920 50 % a with high demand rate according to SN 31920 50 % b with high demand rate according to SN 31920 50 % failure rate [FIT] 50 FIT b with how demand rate according to SN 31920 50 FIT T1 value for proof test interval or service life according to IEC 10 a	design of screwdriver shaft	Diameter 5 to 6 mm				
• for main contacts M3 Safety related data Image: Safety related data B10 value 5 000 • with high demand rate according to SN 31920 5 000 proportion of dangerous failures 50 % • 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 % failure rate [FIT] 50 % • with low demand rate according to SN 31920 50 FIT T1 value for proof test interval or service life according to IEC 10 a	size of the screwdriver tip	Pozidriv size 2				
Safety related data B10 value • with high demand rate according to SN 31920 5 000 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 high demand rate according to SN 31920 • with high 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 10 a	design of the thread of the connection screw					
B10 value 5 000 • with high demand rate according to SN 31920 5 000 proportion of dangerous failures 50 % • with low demand rate according to SN 31920 50 % • with high demand rate according to SN 31920 50 % failure rate [FIT] 50 % • with low demand rate according to SN 31920 50 FIT T1 value for proof test interval or service life according to IEC 10 a	• for main contacts	M3				
• with high demand rate according to SN 319205 000proportion of dangerous failures-• with low demand rate according to SN 3192050 %• with high demand rate according to SN 3192050 %failure rate [FIT]50 %• with low demand rate according to SN 3192050 FITT1 value for proof test interval or service life according to EIC10 a	Safety related data					
proportion of dangerous failures 50 % • with low demand rate according to SN 31920 50 % • with high demand rate according to SN 31920 50 % failure rate [FIT] 50 FIT • with low demand rate according to SN 31920 50 FIT T1 value for proof test interval or service life according to IEC 10 a	B10 value					
proportion of dangerous failures 50 % • with low demand rate according to SN 31920 50 % • with high demand rate according to SN 31920 50 % failure rate [FIT] 50 FIT • with low demand rate according to SN 31920 50 FIT T1 value for proof test interval or service life according to IEC 10 a	 with high demand rate according to SN 31920 	5 000				
• with low demand rate according to SN 31920 50 % • with high demand rate according to SN 31920 50 % failure rate [FIT] • • with low demand rate according to SN 31920 50 FIT T1 value for proof test interval or service life according to IEC 10 a						
with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 50 FIT T1 value for proof test interval or service life according to IEC 10 a		50 %				
failure rate [FIT] • with low demand rate according to SN 31920 50 FIT T1 value for proof test interval or service life according to IEC 10 a	-					
with low demand rate according to SN 31920 50 FIT T1 value for proof test interval or service life according to IEC 10 a						
T1 value for proof test interval or service life according to IEC 10 a		50 FIT				
	T1 value for proof test interval or service life according to IEC					
protection class IP on the front according to IEC 60529 IP20		IP20				

touch protection on the front according to IEC 60529		C 60529 finge	finger-safe, for vertical contact from the front				
display version for switching status			Handle				
Approvals Certificates							
General Product App	roval				For use in hazard- ous locations		
<u>Confirmation</u>			KC	EHC	Ex ATEX		
For use in hazard- ous locations	Declaration of Confo	rmity	Test Certificates		Marine / Shipping		
IECEx	CE EG-Konf.	UK CA	Type Test Certific- ates/Test Report	Special Test Certific- ate	ABS		
Marine / Shipping					other		
BUREAU VERITAS		Lloyd's Register urs	PRS	RINA	Household and similar appliances		
other		Railway		Environment			
<u>Confirmation</u>		Vibration and Shock	<u>Confirmation</u>	Environmental Con- firmations			
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)							

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=3RV2011-1JA10

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV2011-1JA10

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3RV2011-1JA10

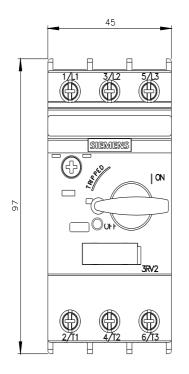
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

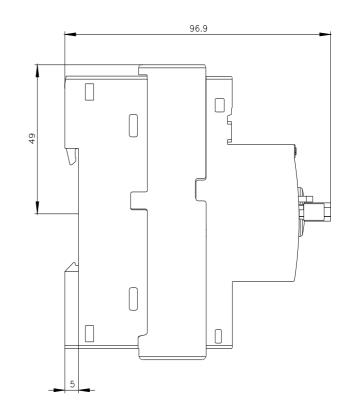
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RV2011-1JA10&lang=en

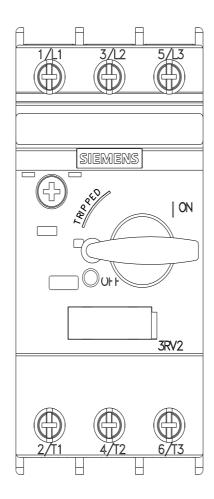
Characteristic: Tripping characteristics, I²t, Let-through current

https://support.industry.siemens.com/cs/ww/en/ps/3RV2011-1JA10/char

Further characteristics (e.g. electrical endurance, switching frequency) http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RV2011-1JA10&objecttype=14&gridview=view1

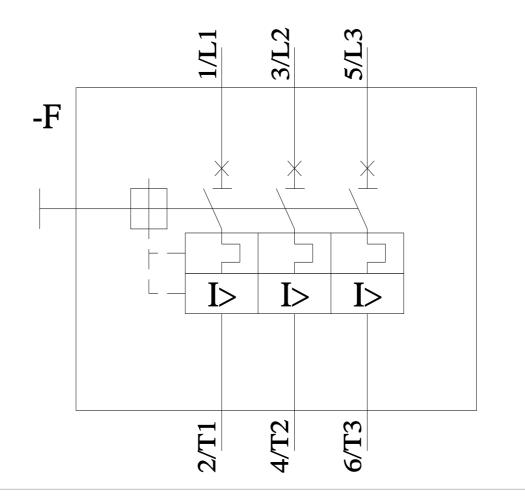






11/16/2023

Subject to change without notice © Copyright Siemens



last modified:

8/29/2023 🖸