## SIEMENS

## Data sheet

## 3RV1011-1EA10



Circuit breaker size S00 for motor protection, CLASS 10 A-release 2.8...4 A N release 52 A Screw terminal Standard switching capacity

473 473				
product brand name	SIRIUS			
product designation	Circuit breaker			
design of the product	For motor protection			
product type designation	3RV1			
General technical data				
size of the circuit-breaker	S00			
size of contactor can be combined company-specific	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>	7.25 W			
<ul> <li>at AC in hot operating state per pole</li> </ul>	2.4 W			
insulation voltage with degree of pollution 3 at AC rated value	690 V			
surge voltage resistance rated value	6 kV			
mechanical service life (switching cycles)				
<ul> <li>of the main contacts typical</li> </ul>	100 000			
<ul> <li>of auxiliary contacts typical</li> </ul>	100 000			
electrical endurance (switching 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)	01/01/2013			
Ambient conditions				
installation altitude at height above sea level maximum	2 000 m			
ambient temperature				
<ul> <li>during operation</li> </ul>	-20 +60 °C			
<ul> <li>during storage</li> </ul>	-50 +80 °C			
<ul> <li>during transport</li> </ul>	-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	2.8 4 A			
operating voltage				
<ul> <li>rated value</li> </ul>	20 690 V			
<ul> <li>at AC-3 rated value maximum</li> </ul>	690 V			
<ul> <li>at AC-3e rated value maximum</li> </ul>	690 V			
operating frequency rated value	50 60 Hz			
operational current rated value	4 A			
operational current				

<ul> <li>at AC-3 at 400 V rated value</li> </ul>	4 A
<ul> <li>at AC-3e at 400 V rated value</li> </ul>	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
	15 1/11
Auxiliary circuit	
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
-	liema
breaking capacity maximum short-circuit current (Icu)	400   4
• at AC at 240 V rated value	100 kA
at AC at 400 V rated value	100 kA
<ul> <li>at AC at 500 V rated value</li> </ul>	3 kA
<ul> <li>at AC at 690 V rated value</li> </ul>	2 kA
breaking capacity operating short-circuit current (Ics) at AC	
<ul> <li>at 240 V rated value</li> </ul>	100 kA
<ul> <li>at 400 V rated value</li> </ul>	100 kA
at 500 V rated value	3 kA
at 690 V rated value	2 kA
response value current of instantaneous short-circuit trip	52 A
unit UL/CSA ratings	
full-load current (FLA) for 3-phase AC motor	
at 480 V rated value	4.0
at 600 V rated value     at 600 V rated value	4 A 4 A
	4 A
yielded mechanical performance [hp]	
for single phase AO meter	
for single-phase AC motor	
— at 110/120 V rated value	0.13 hp
— at 110/120 V rated value — at 230 V rated value	0.13 hp 0.33 hp
<ul> <li>— at 110/120 V rated value</li> <li>— at 230 V rated value</li> <li>• for 3-phase AC motor</li> </ul>	0.33 hp
<ul> <li>at 110/120 V rated value</li> <li>at 230 V rated value</li> <li>for 3-phase AC motor</li> <li>at 200/208 V rated value</li> </ul>	0.33 hp 0.8 hp
<ul> <li>— at 110/120 V rated value</li> <li>— at 230 V rated value</li> <li>• for 3-phase AC motor</li> </ul>	0.33 hp
<ul> <li>at 110/120 V rated value</li> <li>at 230 V rated value</li> <li>for 3-phase AC motor</li> <li>at 200/208 V rated value</li> </ul>	0.33 hp 0.8 hp
<ul> <li>at 110/120 V rated value</li> <li>at 230 V rated value</li> <li>for 3-phase AC motor</li> <li>at 200/208 V rated value</li> <li>at 220/230 V rated value</li> </ul>	0.33 hp 0.8 hp 0.75 hp
<ul> <li>at 110/120 V rated value</li> <li>at 230 V rated value</li> <li>for 3-phase AC motor</li> <li>at 200/208 V rated value</li> <li>at 220/230 V rated value</li> <li>at 460/480 V rated value</li> <li>at 575/600 V rated value</li> </ul>	0.33 hp 0.8 hp 0.75 hp 2 hp
<ul> <li>at 110/120 V rated value</li> <li>at 230 V rated value</li> <li>for 3-phase AC motor</li> <li>at 200/208 V rated value</li> <li>at 220/230 V rated value</li> <li>at 460/480 V rated value</li> <li>at 575/600 V rated value</li> </ul> Short-circuit protection	0.33 hp 0.8 hp 0.75 hp 2 hp 3 hp
<ul> <li>at 110/120 V rated value</li> <li>at 230 V rated value</li> <li>for 3-phase AC motor</li> <li>at 200/208 V rated value</li> <li>at 220/230 V rated value</li> <li>at 460/480 V rated value</li> <li>at 575/600 V rated value</li> </ul> Short-circuit protection product function short circuit protection	0.33 hp 0.8 hp 0.75 hp 2 hp 3 hp Yes
<ul> <li>at 110/120 V rated value</li> <li>at 230 V rated value</li> <li>for 3-phase AC motor</li> <li>at 200/208 V rated value</li> <li>at 220/230 V rated value</li> <li>at 460/480 V rated value</li> <li>at 460/480 V rated value</li> <li>at 575/600 V rated value</li> </ul> Short-circuit protection product function short circuit protection design of the short-circuit trip	0.33 hp 0.8 hp 0.75 hp 2 hp 3 hp
<ul> <li>at 110/120 V rated value</li> <li>at 230 V rated value</li> <li>for 3-phase AC motor</li> <li>at 200/208 V rated value</li> <li>at 220/230 V rated value</li> <li>at 460/480 V rated value</li> <li>at 575/600 V rated value</li> </ul> Short-circuit protection product function short circuit protection design of the short-circuit trip design of the fuse link for IT network for short-circuit	0.33 hp 0.8 hp 0.75 hp 2 hp 3 hp Yes
<ul> <li>at 110/120 V rated value</li> <li>at 230 V rated value</li> <li>for 3-phase AC motor</li> <li>at 200/208 V rated value</li> <li>at 220/230 V rated value</li> <li>at 460/480 V rated value</li> <li>at 460/480 V rated value</li> <li>at 575/600 V rated value</li> </ul> Short-circuit protection design of the short-circuit trip design of the fuse link for IT network for short-circuit protection of the main circuit	0.33 hp 0.8 hp 0.75 hp 2 hp 3 hp Yes magnetic
<ul> <li>at 110/120 V rated value</li> <li>at 230 V rated value</li> <li>for 3-phase AC motor</li> <li>at 200/208 V rated value</li> <li>at 220/230 V rated value</li> <li>at 460/480 V rated value</li> <li>at 460/480 V rated value</li> <li>at 575/600 V rated value</li> </ul> Short-circuit protection design of the short-circuit trip design of the fuse link for IT network for short-circuit protection of the main circuit <ul> <li>at 240 V</li> </ul>	0.33 hp 0.8 hp 0.75 hp 2 hp 3 hp Yes magnetic none required
<ul> <li>at 110/120 V rated value</li> <li>at 230 V rated value</li> <li>for 3-phase AC motor</li> <li>at 200/208 V rated value</li> <li>at 220/230 V rated value</li> <li>at 460/480 V rated value</li> <li>at 575/600 V rated value</li> </ul> Short-circuit protection product function short circuit protection design of the short-circuit trip design of the fuse link for IT network for short-circuit <ul> <li>at 240 V</li> <li>at 400 V</li> </ul>	0.33 hp 0.8 hp 0.75 hp 2 hp 3 hp Yes magnetic none required gL/gG 40 A
<ul> <li>at 110/120 V rated value</li> <li>at 230 V rated value</li> <li>for 3-phase AC motor</li> <li>at 200/208 V rated value</li> <li>at 220/230 V rated value</li> <li>at 460/480 V rated value</li> <li>at 460/480 V rated value</li> <li>at 575/600 V rated value</li> </ul> Short-circuit protection product function short circuit protection design of the short-circuit trip design of the fuse link for IT network for short-circuit <ul> <li>at 240 V</li> <li>at 400 V</li> <li>at 500 V</li> </ul>	0.33 hp 0.8 hp 0.75 hp 2 hp 3 hp Yes magnetic none required gL/gG 40 A gL/gG 35 A
<ul> <li>at 110/120 V rated value</li> <li>at 230 V rated value</li> <li>for 3-phase AC motor</li> <li>at 200/208 V rated value</li> <li>at 220/230 V rated value</li> <li>at 460/480 V rated value</li> <li>at 460/480 V rated value</li> <li>at 575/600 V rated value</li> </ul> Short-circuit protection geoing of the short-circuit protection design of the fuse link for IT network for short-circuit protection of the main circuit <ul> <li>at 240 V</li> <li>at 400 V</li> <li>at 500 V</li> <li>at 690 V</li> </ul>	0.33 hp 0.8 hp 0.75 hp 2 hp 3 hp Yes magnetic none required gL/gG 40 A
<ul> <li>at 110/120 V rated value</li> <li>at 230 V rated value</li> <li>for 3-phase AC motor</li> <li>at 200/208 V rated value</li> <li>at 220/230 V rated value</li> <li>at 460/480 V rated value</li> <li>at 460/480 V rated value</li> <li>at 575/600 V rated value</li> </ul> Short-circuit protection product function short circuit protection design of the short-circuit trip design of the fuse link for IT network for short-circuit <ul> <li>at 240 V</li> <li>at 400 V</li> <li>at 500 V</li> </ul>	0.33 hp 0.8 hp 0.75 hp 2 hp 3 hp Yes magnetic none required gL/gG 40 A gL/gG 35 A
<ul> <li>at 110/120 V rated value</li> <li>at 230 V rated value</li> <li>for 3-phase AC motor</li> <li>at 200/208 V rated value</li> <li>at 200/208 V rated value</li> <li>at 220/230 V rated value</li> <li>at 460/480 V rated value</li> <li>at 575/600 V rated value</li> </ul> Short-circuit protection generative short-circuit trip design of the short-circuit trip design of the fuse link for IT network for short-circuit <ul> <li>at 240 V</li> <li>at 400 V</li> <li>at 500 V</li> <li>at 690 V</li> </ul> Installation/ mounting/ dimensions	0.33 hp 0.8 hp 0.75 hp 2 hp 3 hp Yes magnetic none required gL/gG 40 A gL/gG 35 A
<ul> <li>at 110/120 V rated value</li> <li>at 230 V rated value</li> <li>for 3-phase AC motor</li> <li>at 200/208 V rated value</li> <li>at 220/230 V rated value</li> <li>at 460/480 V rated value</li> <li>at 460/480 V rated value</li> <li>at 575/600 V rated value</li> </ul> Short-circuit protection generative state of the short-circuit trip design of the short-circuit trip design of the fuse link for IT network for short-circuit <ul> <li>at 240 V</li> <li>at 400 V</li> <li>at 500 V</li> <li>at 690 V</li> </ul> Installation/ mounting/ dimensions	0.33 hp 0.8 hp 0.75 hp 2 hp 3 hp Yes magnetic none required gL/gG 40 A gL/gG 35 A gL/gG 35 A

height	90 mm
width	45 mm
depth	75 mm
required spacing	
<ul> <li>for grounded parts at 400 V</li> </ul>	
— downwards	20 mm
— upwards	20 mm
— at the side	9 mm
• for live parts at 400 V	
— downwards	20 mm
	20 mm
— upwards	
— at the side	9 mm
<ul> <li>for grounded parts at 500 V</li> </ul>	
— downwards	20 mm
— upwards	20 mm
— at the side	9 mm
<ul> <li>for live parts at 500 V</li> </ul>	
— downwards	20 mm
— upwards	20 mm
— at the side	9 mm
<ul> <li>for grounded parts at 690 V</li> </ul>	
<ul> <li>Ior grounded parts at 090 v</li> <li>— downwards</li> </ul>	20 mm
	20 mm
— upwards — backwards	
	0 mm
— at the side	9 mm
— forwards	0 mm
<ul> <li>for live parts at 690 V</li> </ul>	
— downwards	20 mm
— upwards	20 mm
— backwards	0 mm
— at the side	9 mm
— forwards	0 mm
Connections/ Terminals	
type of electrical connection	
type of electrical connection	screw-type terminals
for main current circuit	screw-type terminals
	screw-type terminals Top and bottom
• for main current circuit arrangement of electrical connectors for main current circuit	
• for main current circuit arrangement of electrical connectors for main current circuit type of connectable conductor cross-sections	
<ul> <li>for main current circuit</li> <li>arrangement of electrical connectors for main current circuit</li> <li>type of connectable conductor cross-sections</li> <li>for main contacts</li> </ul>	Top and bottom
<ul> <li>for main current circuit</li> <li>arrangement of electrical connectors for main current circuit</li> <li>type of connectable conductor cross-sections</li> <li>for main contacts         <ul> <li>— solid or stranded</li> </ul> </li> </ul>	Top and bottom 2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x (1 4 mm²)
<ul> <li>for main current circuit</li> <li>arrangement of electrical connectors for main current circuit</li> <li>type of connectable conductor cross-sections</li> <li>for main contacts         <ul> <li>— solid or stranded</li> <li>— finely stranded with core end processing</li> </ul> </li> </ul>	Top and bottom
<ul> <li>for main current circuit</li> <li>arrangement of electrical connectors for main current circuit</li> <li>type of connectable conductor cross-sections</li> <li>for main contacts         <ul> <li>— solid or stranded</li> <li>— finely stranded with core end processing</li> </ul> </li> <li>type of connectable conductor cross-sections</li> </ul>	Top and bottom 2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x (1 4 mm²)
<ul> <li>for main current circuit</li> <li>arrangement of electrical connectors for main current circuit</li> <li>type of connectable conductor cross-sections</li> <li>for main contacts         <ul> <li>— solid or stranded</li> <li>— finely stranded with core end processing</li> </ul> </li> <li>type of connectable conductor cross-sections         <ul> <li>for auxiliary contacts</li> <li>for auxiliary contacts</li> </ul> </li> </ul>	Top and bottom 2x (0,5 1,5 mm <sup>2</sup> ), 2x (0,75 2,5 mm <sup>2</sup> ), 2x (1 4 mm <sup>2</sup> ) 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> )
<ul> <li>for main current circuit</li> <li>arrangement of electrical connectors for main current circuit</li> <li>type of connectable conductor cross-sections</li> <li>for main contacts         <ul> <li>— solid or stranded</li> <li>— finely stranded with core end processing</li> </ul> </li> <li>type of connectable conductor cross-sections         <ul> <li>for auxiliary contacts</li> <li>— solid or stranded</li> </ul> </li> </ul>	Top and bottom 2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x (1 4 mm²)
<ul> <li>for main current circuit</li> <li>arrangement of electrical connectors for main current circuit</li> <li>type of connectable conductor cross-sections         <ul> <li>for main contacts</li> <li>— solid or stranded</li> <li>— finely stranded with core end processing</li> </ul> </li> <li>type of connectable conductor cross-sections         <ul> <li>for auxiliary contacts</li> <li>— solid or stranded</li> <li>tightening torque</li> </ul> </li> </ul>	Top and bottom 2x (0,5 1,5 mm <sup>2</sup> ), 2x (0,75 2,5 mm <sup>2</sup> ), 2x (1 4 mm <sup>2</sup> ) 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ) 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> )
<ul> <li>for main current circuit</li> <li>arrangement of electrical connectors for main current circuit</li> <li>type of connectable conductor cross-sections         <ul> <li>for main contacts</li> <li>— solid or stranded</li> <li>— finely stranded with core end processing</li> </ul> </li> <li>type of connectable conductor cross-sections         <ul> <li>for auxiliary contacts</li> <li>— solid or stranded</li> <li>tightening torque</li> <li>for main contacts with screw-type terminals</li> </ul> </li> </ul>	Top and bottom 2x (0,5 1,5 mm <sup>2</sup> ), 2x (0,75 2,5 mm <sup>2</sup> ), 2x (1 4 mm <sup>2</sup> ) 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ) 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ) 0.8 1.2 N·m
<ul> <li>for main current circuit</li> <li>arrangement of electrical connectors for main current circuit</li> <li>type of connectable conductor cross-sections         <ul> <li>for main contacts</li> <li>— solid or stranded</li> <li>— finely stranded with core end processing</li> </ul> </li> <li>type of connectable conductor cross-sections         <ul> <li>for auxiliary contacts</li> <li>— solid or stranded</li> <li>tightening torque</li> <li>for main contacts with screw-type terminals</li> <li>for auxiliary contacts with screw-type terminals</li> </ul> </li> </ul>	Top and bottom 2x (0,5 1,5 mm <sup>2</sup> ), 2x (0,75 2,5 mm <sup>2</sup> ), 2x (1 4 mm <sup>2</sup> ) 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ) 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> )
<ul> <li>for main current circuit</li> <li>arrangement of electrical connectors for main current circuit</li> <li>type of connectable conductor cross-sections         <ul> <li>for main contacts</li> <li>— solid or stranded</li> <li>— finely stranded with core end processing</li> </ul> </li> <li>type of connectable conductor cross-sections         <ul> <li>for auxiliary contacts</li> <li>— solid or stranded</li> <li>tightening torque</li> <li>for main contacts with screw-type terminals</li> <li>for auxiliary contacts with screw-type terminals</li> </ul> </li> </ul>	Top and bottom 2x (0,5 1,5 mm <sup>2</sup> ), 2x (0,75 2,5 mm <sup>2</sup> ), 2x (1 4 mm <sup>2</sup> ) 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ) 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ) 0.8 1.2 N·m
<ul> <li>for main current circuit</li> <li>arrangement of electrical connectors for main current circuit</li> <li>type of connectable conductor cross-sections         <ul> <li>for main contacts</li> <li>— solid or stranded</li> <li>— finely stranded with core end processing</li> </ul> </li> <li>type of connectable conductor cross-sections         <ul> <li>for auxiliary contacts</li> <li>— solid or stranded</li> <li>tightening torque</li> <li>for main contacts with screw-type terminals</li> <li>for auxiliary contacts with screw-type terminals</li> </ul> </li> </ul>	Top and bottom 2x (0,5 1,5 mm <sup>2</sup> ), 2x (0,75 2,5 mm <sup>2</sup> ), 2x (1 4 mm <sup>2</sup> ) 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ) 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ) 0.8 1.2 N·m 0.8 1.2 N·m
<ul> <li>for main current circuit</li> <li>arrangement of electrical connectors for main current circuit</li> <li>type of connectable conductor cross-sections         <ul> <li>for main contacts</li> <li>— solid or stranded</li> <li>— finely stranded with core end processing</li> </ul> </li> <li>type of connectable conductor cross-sections         <ul> <li>for auxiliary contacts</li> <li>— solid or stranded</li> <li>tightening torque</li> <li>for main contacts with screw-type terminals</li> <li>for auxiliary contacts with screw-type terminals</li> </ul> </li> </ul>	Top and bottom 2x (0,5 1,5 mm <sup>2</sup> ), 2x (0,75 2,5 mm <sup>2</sup> ), 2x (1 4 mm <sup>2</sup> ) 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ) 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ) 0.8 1.2 N·m 0.8 1.2 N·m
<ul> <li>for main current circuit</li> <li>arrangement of electrical connectors for main current circuit</li> <li>type of connectable conductor cross-sections         <ul> <li>for main contacts</li> <li>solid or stranded</li> <li>finely stranded with core end processing</li> </ul> </li> <li>type of connectable conductor cross-sections         <ul> <li>for auxiliary contacts</li> <li>solid or stranded</li> </ul> </li> <li>tightening torque         <ul> <li>for main contacts with screw-type terminals</li> <li>for auxiliary contacts with screw-type terminals</li> </ul> </li> </ul>	Top and bottom 2x (0,5 1,5 mm <sup>2</sup> ), 2x (0,75 2,5 mm <sup>2</sup> ), 2x (1 4 mm <sup>2</sup> ) 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ) 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ) 0.8 1.2 N·m 0.8 1.2 N·m Pozidriv size 2
<ul> <li>for main current circuit</li> <li>arrangement of electrical connectors for main current circuit</li> <li>type of connectable conductor cross-sections         <ul> <li>for main contacts</li> <li>solid or stranded</li> <li>finely stranded with core end processing</li> </ul> </li> <li>type of connectable conductor cross-sections         <ul> <li>for auxiliary contacts</li> <li>solid or stranded</li> <li>tightening torque</li> <li>for main contacts with screw-type terminals</li> <li>for auxiliary contacts with screw-type terminals</li> <li>size of the screwdriver tip</li> <li>design of the thread of the connection screw</li> <li>for main contacts</li> </ul> </li> </ul>	Top and bottom 2x (0,5 1,5 mm <sup>2</sup> ), 2x (0,75 2,5 mm <sup>2</sup> ), 2x (1 4 mm <sup>2</sup> ) 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ) 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ) 0.8 1.2 N·m 0.8 1.2 N·m Pozidriv size 2
<ul> <li>for main current circuit</li> <li>arrangement of electrical connectors for main current circuit</li> <li>type of connectable conductor cross-sections         <ul> <li>for main contacts</li> <li>solid or stranded</li> <li>finely stranded with core end processing</li> </ul> </li> <li>type of connectable conductor cross-sections</li> <li>for auxiliary contacts         <ul> <li>solid or stranded</li> <li>tightening torque</li> <li>for main contacts with screw-type terminals</li> <li>for auxiliary contacts with screw-type terminals</li> <li>size of the screwdriver tip</li> <li>design of the thread of the connection screw</li> <li>for main contacts</li> </ul> </li> <li>Safety related data</li> <li>B10 value</li> </ul>	Top and bottom 2x (0,5 1,5 mm <sup>2</sup> ), 2x (0,75 2,5 mm <sup>2</sup> ), 2x (1 4 mm <sup>2</sup> ) 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ) 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ) 0.8 1.2 N·m 0.8 1.2 N·m Pozidriv size 2 M3
<ul> <li>for main current circuit</li> <li>arrangement of electrical connectors for main current circuit</li> <li>type of connectable conductor cross-sections         <ul> <li>for main contacts</li> <li>solid or stranded</li> <li>finely stranded with core end processing</li> </ul> </li> <li>type of connectable conductor cross-sections</li> <li>for auxiliary contacts         <ul> <li>solid or stranded</li> <li>tightening torque</li> <li>for main contacts with screw-type terminals</li> <li>for auxiliary contacts with screw-type terminals</li> <li>size of the screwdriver tip</li> <li>design of the thread of the connection screw</li> <li>for main contacts</li> </ul> </li> <li>Safety related data</li> <li>B10 value         <ul> <li>with high demand rate according to SN 31920</li> </ul> </li> </ul>	Top and bottom 2x (0,5 1,5 mm <sup>2</sup> ), 2x (0,75 2,5 mm <sup>2</sup> ), 2x (1 4 mm <sup>2</sup> ) 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ) 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ) 0.8 1.2 N·m 0.8 1.2 N·m Pozidriv size 2
<ul> <li>for main current circuit</li> <li>arrangement of electrical connectors for main current circuit</li> <li>type of connectable conductor cross-sections         <ul> <li>for main contacts</li> <li>solid or stranded</li> <li>finely stranded with core end processing</li> </ul> </li> <li>type of connectable conductor cross-sections</li> <li>for auxiliary contacts         <ul> <li>solid or stranded</li> <li>tightening torque</li> <li>for main contacts with screw-type terminals</li> <li>for auxiliary contacts with screw-type terminals</li> <li>for auxiliary contacts with screw-type terminals</li> <li>for auxiliary contacts with screw-type terminals</li> <li>size of the screwdriver tip</li> <li>design of the thread of the connection screw</li> <li>for main contacts</li> </ul> </li> <li>Safety related data</li> <li>B10 value         <ul> <li>with high demand rate according to SN 31920</li> <li>proportion of dangerous failures</li> </ul> </li> </ul>	Top and bottom 2x (0,5 1,5 mm <sup>2</sup> ), 2x (0,75 2,5 mm <sup>2</sup> ), 2x (1 4 mm <sup>2</sup> ) 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ) 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ) 0.8 1.2 N·m 0.8 1.2 N·m Pozidriv size 2 M3 5 000
<ul> <li>for main current circuit</li> <li>arrangement of electrical connectors for main current circuit</li> <li>type of connectable conductor cross-sections         <ul> <li>for main contacts</li> <li>solid or stranded</li> <li>finely stranded with core end processing</li> </ul> </li> <li>type of connectable conductor cross-sections</li> <li>for auxiliary contacts         <ul> <li>solid or stranded</li> <li>for auxiliary contacts</li> <li>solid or stranded</li> </ul> </li> <li>tightening torque         <ul> <li>for main contacts with screw-type terminals</li> <li>for auxiliary contacts with screw-type terminals</li> <li>size of the screwdriver tip</li> <li>design of the thread of the connection screw</li> <li>for main contacts</li> </ul> </li> <li>Safety related data</li> <li>B10 value         <ul> <li>with high demand rate according to SN 31920</li> <li>proportion of dangerous failures</li> <li>with low demand rate according to SN 31920</li> </ul> </li> </ul>	Top and bottom 2x (0,5 1,5 mm <sup>2</sup> ), 2x (0,75 2,5 mm <sup>2</sup> ), 2x (1 4 mm <sup>2</sup> ) 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ) 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ) 0.8 1.2 N·m 0.8 1.2 N·m Pozidriv size 2 M3 5 000 50 %
<ul> <li>for main current circuit</li> <li>arrangement of electrical connectors for main current circuit</li> <li>type of connectable conductor cross-sections <ul> <li>for main contacts</li> <li>solid or stranded</li> <li>finely stranded with core end processing</li> </ul> </li> <li>type of connectable conductor cross-sections <ul> <li>for auxiliary contacts</li> <li>solid or stranded</li> </ul> </li> <li>tightening torque <ul> <li>for main contacts with screw-type terminals</li> <li>for auxiliary contacts with screw-type terminals</li> </ul> </li> <li>Size of the screwdriver tip <ul> <li>design of the thread of the connection screw</li> <li>for main contacts</li> </ul> </li> <li>Safety related data</li> </ul> <li>B10 value <ul> <li>with high demand rate according to SN 31920</li> <li>proportion of dangerous failures</li> <li>with low demand rate according to SN 31920</li> <li>with high demand rate according to SN 31920</li> </ul> </li>	Top and bottom 2x (0,5 1,5 mm <sup>2</sup> ), 2x (0,75 2,5 mm <sup>2</sup> ), 2x (1 4 mm <sup>2</sup> ) 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ) 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ) 0.8 1.2 N·m 0.8 1.2 N·m Pozidriv size 2 M3 5 000
<ul> <li>for main current circuit</li> <li>arrangement of electrical connectors for main current circuit</li> <li>type of connectable conductor cross-sections         <ul> <li>for main contacts</li> <li>solid or stranded</li> <li>finely stranded with core end processing</li> </ul> </li> <li>type of connectable conductor cross-sections</li> <li>for auxiliary contacts         <ul> <li>solid or stranded</li> <li>tightening torque</li> <li>for main contacts with screw-type terminals</li> <li>for auxiliary contacts with screw-type terminals</li> </ul> <li>for auxiliary contacts with screw-type terminals</li> <li>for auxiliary contacts with screw-type terminals</li> <li>size of the screwdriver tip</li> <li>design of the thread of the connection screw</li> <li>for main contacts</li> </li></ul> <li>Safety related data</li> <li>B10 value         <ul> <li>with high demand rate according to SN 31920</li> </ul> </li>	Top and bottom 2x (0,5 1,5 mm <sup>2</sup> ), 2x (0,75 2,5 mm <sup>2</sup> ), 2x (1 4 mm <sup>2</sup> ) 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ) 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ) 0.8 1.2 N·m 0.8 1.2 N·m Pozidriv size 2 M3 5 000 50 % 50 %
<ul> <li>for main current circuit</li> <li>arrangement of electrical connectors for main current circuit</li> <li>type of connectable conductor cross-sections <ul> <li>for main contacts</li> <li>solid or stranded</li> <li>finely stranded with core end processing</li> </ul> </li> <li>type of connectable conductor cross-sections <ul> <li>for auxiliary contacts</li> <li>solid or stranded</li> </ul> </li> <li>tightening torque <ul> <li>for main contacts with screw-type terminals</li> <li>for auxiliary contacts with screw-type terminals</li> </ul> </li> <li>for auxiliary contacts with screw-type terminals</li> <li>for auxiliary contacts with screw-type terminals</li> <li>size of the screwdriver tip</li> <li>design of the thread of the connection screw</li> <li>for main contacts</li> </ul> <li>Safety related data <ul> <li>B10 value</li> <li>with high demand rate according to SN 31920</li> <li>proportion of dangerous failures</li> <li>with high demand rate according to SN 31920</li> <li>thigh demand rate according to SN 31920</li> <li>failure rate [FIT]</li> <li>with low demand rate according to SN 31920</li> </ul> </li>	Top and bottom 2x (0,5 1,5 mm <sup>2</sup> ), 2x (0,75 2,5 mm <sup>2</sup> ), 2x (1 4 mm <sup>2</sup> ) 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ) 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ) 0.8 1.2 N·m 0.8 1.2 N·m Pozidriv size 2 M3 5 000 50 % 50 % 50 FIT
<ul> <li>for main current circuit</li> <li>arrangement of electrical connectors for main current circuit</li> <li>type of connectable conductor cross-sections <ul> <li>for main contacts</li> <li>solid or stranded</li> <li>finely stranded with core end processing</li> </ul> </li> <li>type of connectable conductor cross-sections <ul> <li>for auxiliary contacts</li> <li>solid or stranded</li> </ul> </li> <li>tightening torque <ul> <li>for main contacts with screw-type terminals</li> <li>for auxiliary contacts with screw-type terminals</li> <li>for auxiliary contacts with screw-type terminals</li> <li>for auxiliary contacts with screw-type terminals</li> <li>size of the screwdriver tip</li> <li>design of the thread of the connection screw</li> <li>for main contacts</li> </ul> </li> <li>Safety related data <ul> <li>B10 value</li> <li>with high demand rate according to SN 31920</li> <li>proportion of dangerous failures</li> <li>with high demand rate according to SN 31920</li> <li>failure rate [FIT]</li> <li>with low demand rate according to SN 31920</li> </ul> </li> </ul>	Top and bottom 2x (0,5 1,5 mm <sup>2</sup> ), 2x (0,75 2,5 mm <sup>2</sup> ), 2x (1 4 mm <sup>2</sup> ) 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ) 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ) 0.8 1.2 N·m 0.8 1.2 N·m Pozidriv size 2 M3 5 000 50 % 50 %
<ul> <li>for main current circuit</li> <li>arrangement of electrical connectors for main current circuit</li> <li>type of connectable conductor cross-sections         <ul> <li>for main contacts</li> <li>solid or stranded</li> <li>finely stranded with core end processing</li> </ul> </li> <li>type of connectable conductor cross-sections</li> <li>for auxiliary contacts         <ul> <li>solid or stranded</li> <li>tightening torque</li> <li>for main contacts with screw-type terminals</li> <li>for auxiliary contacts with screw-type terminals</li> <li>size of the screwdriver tip</li> <li>design of the thread of the connection screw</li> <li>for main contacts</li> </ul> </li> <li>Safety related data</li> <li>B10 value         <ul> <li>with high demand rate according to SN 31920</li> <li>proportion of dangerous failures</li> <li>with low demand rate according to SN 31920</li> <li>failure rate [FIT]</li> <li>with low demand rate according to SN 31920</li> </ul> </li> </ul>	Top and bottom 2x (0,5 1,5 mm <sup>2</sup> ), 2x (0,75 2,5 mm <sup>2</sup> ), 2x (1 4 mm <sup>2</sup> ) 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ) 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ) 0.8 1.2 N·m 0.8 1.2 N·m Pozidriv size 2 M3 5 000 50 % 50 % 50 FIT IP20
<ul> <li>for main current circuit</li> <li>arrangement of electrical connectors for main current circuit</li> <li>type of connectable conductor cross-sections         <ul> <li>for main contacts</li> <li>solid or stranded</li> <li>finely stranded with core end processing</li> </ul> </li> <li>type of connectable conductor cross-sections         <ul> <li>for auxiliary contacts</li> <li>solid or stranded</li> <li>tightening torque</li> <li>for main contacts with screw-type terminals</li> <li>for auxiliary contacts with screw-type terminals</li> <li>size of the screwdriver tip</li> <li>design of the thread of the connection screw</li> <li>for main contacts</li> </ul> </li> <li>Safety related data</li> <li>B10 value         <ul> <li>with high demand rate according to SN 31920</li> <li>proportion of dangerous failures</li> <li>with low demand rate according to SN 31920</li> <li>with high demand rate according to SN 31920</li> <li>protection class IP on the front according to IEC 60529</li> <li>touch protection on the front according to IEC 60529</li> </ul> </li> </ul>	Top and bottom 2x (0,5 1,5 mm <sup>2</sup> ), 2x (0,75 2,5 mm <sup>2</sup> ), 2x (1 4 mm <sup>2</sup> ) 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ) 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ) 0.8 1.2 N·m 0.8 1.2 N·m Pozidriv size 2 M3 5 000 50 % 50 % 50 FIT IP20 finger-safe, for vertical contact from the front
<ul> <li>for main current circuit</li> <li>arrangement of electrical connectors for main current circuit</li> <li>type of connectable conductor cross-sections         <ul> <li>for main contacts</li> <li>solid or stranded</li> <li>finely stranded with core end processing</li> </ul> </li> <li>type of connectable conductor cross-sections</li> <li>for auxiliary contacts         <ul> <li>solid or stranded</li> <li>tightening torque</li> <li>for main contacts with screw-type terminals</li> <li>for auxiliary contacts with screw-type terminals</li> <li>size of the screwdriver tip</li> <li>design of the thread of the connection screw</li> <li>for main contacts</li> </ul> </li> <li>Safety related data</li> <li>B10 value         <ul> <li>with high demand rate according to SN 31920</li> <li>proportion of dangerous failures</li> <li>with low demand rate according to SN 31920</li> <li>failure rate [FIT]</li> <li>with low demand rate according to SN 31920</li> </ul> </li> </ul>	Top and bottom 2x (0,5 1,5 mm <sup>2</sup> ), 2x (0,75 2,5 mm <sup>2</sup> ), 2x (1 4 mm <sup>2</sup> ) 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ) 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ) 0.8 1.2 N·m 0.8 1.2 N·m Pozidriv size 2 M3 5 000 50 % 50 % 50 FIT IP20

General Product A	pproval				For use in hazard- ous locations			
	<u>Confirmation</u>	CCC		EHC	IECEx			
For use in hazard- ous locations	Declaration of Confo	ormity	Test Certificates		Marine / Shipping			
KEx ATEX	CE EG-Konf.	UK CA	<u>Special Test Certific-</u> <u>ate</u>	<u>Type Test Certific-</u> ates/Test Report	ABS			
Marine / Shipping								
B U R E A U VER I TAS	Lloyd's Register us	PRS	RINA	RMRS				
other			Railway					
<u>Confirmation</u>	<u>Miscellaneous</u>	VDE	<u>Special Test Certific-</u> <u>ate</u>					
Further information Information- and Downloadcenter (Catalogs, Brochures,)								
https://www.siemens.com/ic10 Industry Mall (Online ordering system)								

Industry Mall (Online ordering system) https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RV1011-1EA10

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV1011-1EA10

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

https://support.industry.siemens.com/cs/ww/en/ps/3RV1011-1EA10

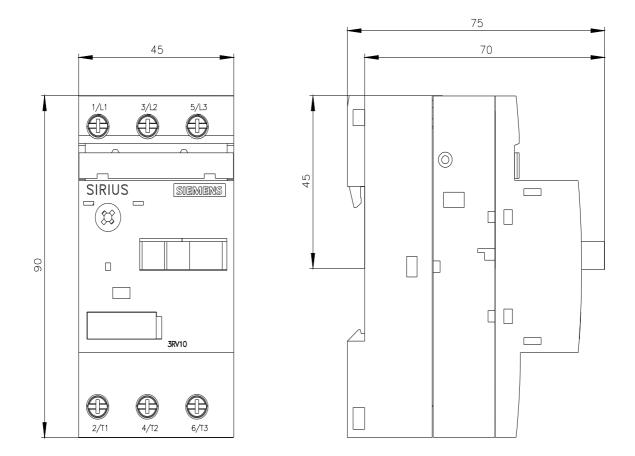
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

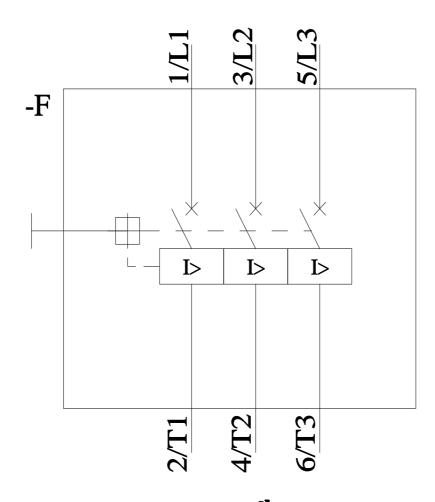
http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RV1011-1EA10&lang=en

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

https://support.industry.siemens.com/cs/ww/en/ps/3RV1011-1EA10/char

Further characteristics (e.g. electrical endurance, switching frequency) http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RV1011-1EA10&objecttype=14&gridview=view1





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