SIEMENS

Data sheet

3RV1011-0GA10



Circuit breaker size S00 for motor protection, CLASS 10 A-release 0.45...0.63 A N-release 8.2 A Screw terminal Standard switching capacity

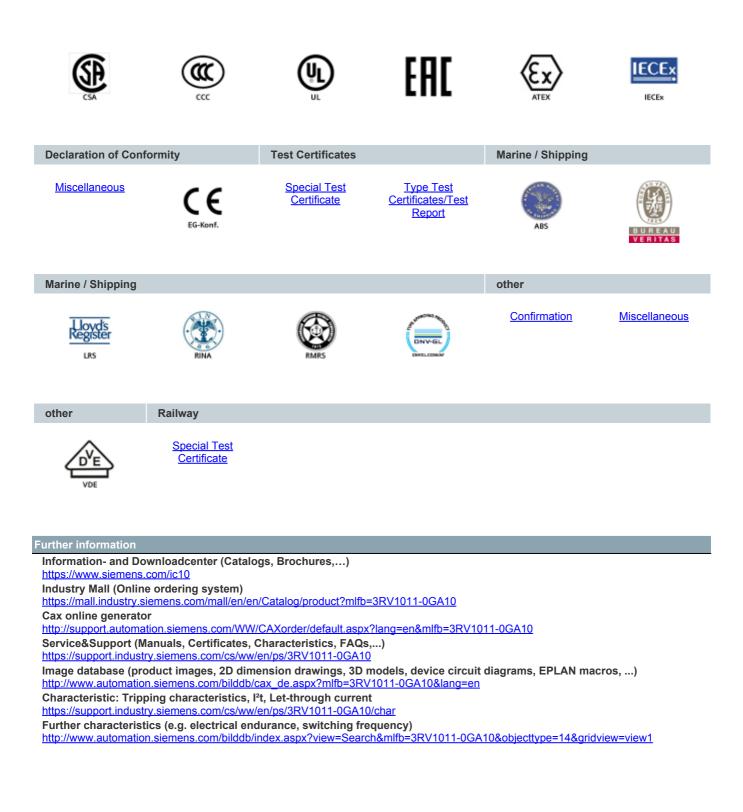
SIRIUS
Circuit breaker
For motor protection
3RV1
S00
S00
Yes
5.5 W
1.8 W
690 V
6 kV
400 V
400 V
100 000
100 000
100 000
Ex II (2) GD
DMT 02 ATEX F 001
Q
2 000 m
-20 +60 °C
-50 +80 °C
-50 +80 °C
-20 +60 °C
10 95 %
3
0.45 0.63 A

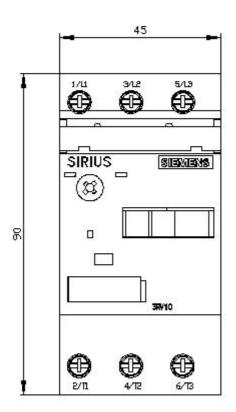


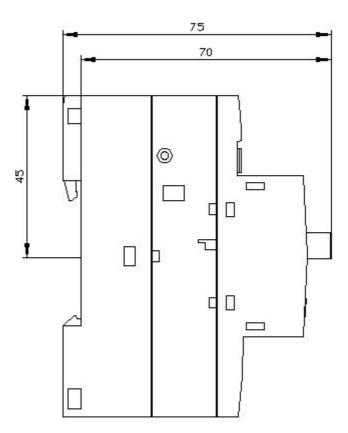
 operating voltage rated value 	690 V
 operating voltage at AC-3 rated value maximum 	690 V
operating frequency rated value	50 60 Hz
operational current rated value	0.63 A
operational current at AC-3 at 400 V rated value	0.63 A
operating power at AC-3	
 at 230 V rated value 	90 W
 at 400 V rated value 	180 W
 at 500 V rated value 	180 W
 at 690 V rated value 	250 W
operating frequency at AC-3 maximum	15 1/h
Auxiliary circuit	
number of CO contacts for auxiliary contacts	0
Protective and monitoring functions	
product function	
ground fault detection	No
-	Yes
phase failure detection	CLASS 10
trip class	thermal
design of the overload release	nema
breaking capacity operating short-circuit current (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	100 kA
breaking capacity maximum short-circuit current (Icu)	
at AC at 240 V rated value	100 kA
at AC at 400 V rated value	100 KA
	100 KA
at AC at 500 V rated value	100 KA
at AC at 690 V rated value response value current of instantaneous short-circuit trip	8.2 A
unit	0.2 M
UL/CSA ratings	
full-load current (FLA) for 3-phase AC motor	
 full-load current (FLA) for 3-phase AC motor at 480 V rated value 	0.63 A
• at 480 V rated value	
at 480 V rated valueat 600 V rated value	0.63 A 0.63 A
at 480 V rated value at 600 V rated value Short-circuit protection	0.63 A
at 480 V rated value at 600 V rated value Short-circuit protection product function short circuit protection	0.63 A Yes
at 480 V rated value at 600 V rated value Short-circuit protection product function short circuit protection design of the short-circuit trip	0.63 A
at 480 V rated value at 600 V rated value Short-circuit protection product function short circuit protection	0.63 A Yes
at 480 V rated value at 600 V rated value 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	0.63 A Yes
at 480 V rated value at 600 V rated value 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 protection of the main circuit	0.63 A Yes magnetic none required
 at 480 V rated value at 600 V rated value 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 protection of the main circuit at 240 V 	0.63 A Yes magnetic none required None required
at 480 V rated value at 600 V rated value 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 protection of the main circuit at 240 V at 400 V	0.63 A Yes magnetic none required None required gL/gG 6 A
 at 480 V rated value at 600 V rated value 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 protection of the main circuit at 240 V at 400 V at 500 V at 690 V 	0.63 A Yes magnetic none required None required
 at 480 V rated value at 600 V rated value 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 protection of the main circuit at 240 V at 400 V at 500 V at 690 V Installation/ mounting/ dimensions	0.63 A Yes magnetic none required None required gL/gG 6 A gL/gG 6 A
 at 480 V rated value at 600 V rated value 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 protection of the main circuit at 240 V at 400 V at 500 V at 690 V Installation/ mounting/ dimensions mounting position 	0.63 A Yes magnetic none required None required gL/gG 6 A gL/gG 6 A gL/gG 6 A
 at 480 V rated value at 600 V rated value 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 protection of the main circuit at 240 V at 400 V at 500 V at 690 V Installation/ mounting/ dimensions	0.63 A Yes magnetic none required None required gL/gG 6 A gL/gG 6 A
 at 480 V rated value at 600 V rated value 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 protection of the main circuit at 240 V at 400 V at 500 V at 690 V Installation/ mounting/ dimensions mounting position 	0.63 A Yes magnetic none required None required gL/gG 6 A gL/gG 6 A gL/gG 6 A
 at 480 V rated value at 600 V rated value 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 protection of the main circuit at 240 V at 400 V at 500 V at 690 V Installation/ mounting/ dimensions mounting position fastening method	0.63 A Yes magnetic none required None required gL/gG 6 A gL/gG 6 A gL/gG 6 A screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715
 at 480 V rated value at 600 V rated value 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 protection of the main circuit at 240 V at 400 V at 500 V at 690 V Installation/ mounting/ dimensions mounting position fastening method height	0.63 A Yes magnetic none required None required gL/gG 6 A gL/gG 6 A gL/gG 6 A
 at 480 V rated value at 600 V rated value 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 protection of the main circuit at 240 V at 400 V at 500 V at 690 V Installation/ mounting/ dimensions mounting position fastening method height width 	0.63 A Yes magnetic none required None required gL/gG 6 A gL/gG 6 A gL/gG 6 A screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 90 mm 45 mm
 at 480 V rated value at 600 V rated value 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 protection of the main circuit at 240 V at 400 V at 500 V at 690 V Installation/ mounting/ dimensions mounting position fastening method height width depth 	0.63 A Yes magnetic none required None required gL/gG 6 A gL/gG 6 A gL/gG 6 A screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 90 mm 45 mm
 at 480 V rated value at 600 V rated value 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 protection of the main circuit at 240 V at 240 V at 400 V at 500 V at 690 V Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing 	0.63 A Yes magnetic none required None required gL/gG 6 A gL/gG 6 A gL/gG 6 A screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 90 mm 45 mm
 at 480 V rated value at 600 V rated value 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 protection of the main circuit at 240 V at 400 V at 500 V at 690 V Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing for grounded parts at 400 V 	0.63 A Yes magnetic none required None required gL/gG 6 A gL/gG 6 A gL/gG 6 A vertices and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 90 mm 45 mm 75 mm
 at 480 V rated value at 600 V rated value 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 protection of the main circuit at 240 V at 400 V at 500 V at 690 V Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing for grounded parts at 400 V - downwards 	0.63 A Yes magnetic none required None required gL/gG 6 A gL/gG 6 A any screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 90 mm 45 mm 75 mm
 at 480 V rated value at 600 V rated value 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 protection of the main circuit at 240 V at 400 V at 500 V at 690 V Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing for grounded parts at 400 V downwards upwards at the side 	0.63 A Yes magnetic none required None required gL/gG 6 A gL/gG 6 A screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 90 mm 45 mm 75 mm 20 mm 20 mm
 at 480 V rated value at 600 V rated value 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 protection of the main circuit at 240 V at 240 V at 400 V at 500 V at 690 V Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing for grounded parts at 400 V – upwards 	0.63 A Yes magnetic none required None required gL/gG 6 A gL/gG 6 A screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 90 mm 45 mm 75 mm 20 mm 20 mm

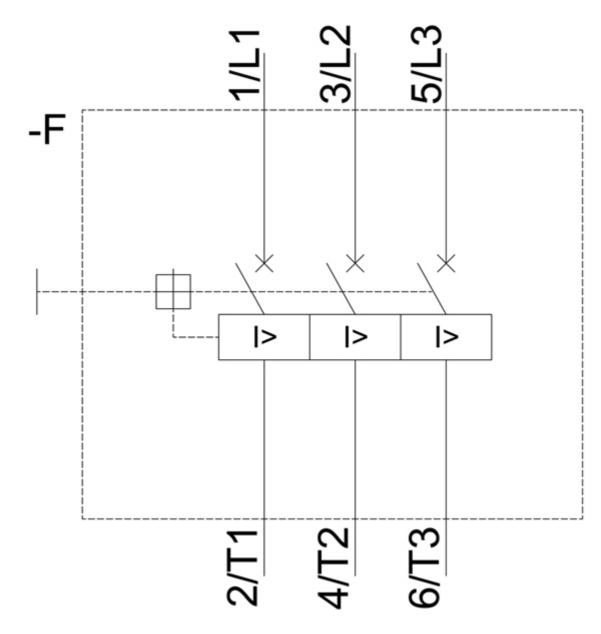


	22
— upwards	20 mm
— at the side	9 mm
• for grounded parts at 500 V	
— downwards	20 mm
— upwards	20 mm
— at the side	9 mm
• for live parts at 500 V	
— downwards	20 mm
— upwards	20 mm
— at the side	9 mm
 for grounded parts at 690 V 	
— downwards	20 mm
— upwards	20 mm
— backwards	0 mm
— at the side	9 mm
— forwards	0 mm
 for live parts at 690 V 	
— downwards	20 mm
— upwards	20 mm
— backwards	0 mm
— at the side	9 mm
— forwards	0 mm
Connections/ Terminals	
product function removable terminal for auxiliary and control circuit	No
type of electrical connection	
for main current circuit	screw-type terminals
arrangement of electrical connectors for main current circuit	Top and bottom
type of connectable conductor cross-sections	
 for main contacts 	
— solid or stranded	2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x (1 4 mm²)
 finely stranded with core end processing 	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
type of connectable conductor cross-sections	
 for auxiliary contacts 	
— solid or stranded	2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²)
 tightening torque for main contacts with screw-type terminals 	0.8 1.2 N·m
 tightening torque for auxiliary contacts with screw- type terminals 	0.8 1.2 N·m
size of the screwdriver tip	Pozidriv 2
design of the thread of the connection screw	
for main contacts	M3
Safety related data	
B10 value	
 with high demand rate acc. to SN 31920 	5 000
proportion of dangerous failures	
with low demand rate acc. to SN 31920	50 %
 with high demand rate acc. to SN 31920 	50 %
failure rate [FIT]	
with low demand rate acc. to SN 31920	50 FIT
protection class IP on the front acc. to IEC 60529	IP20
touch protection on the front acc. to IEC 60529	finger-safe, for vertical contact from the front
display version for switching status	Rocker switch
Certificates/ approvals	
General Product Approval	For use in hazardous locations









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