SIEMENS

Data sheet 3RV1011-0EA15



CIRCUIT-BREAKER, SIZE S00, FOR MOTOR PROTECTION, CLASS 10, A REL.0.28...0.40A, N REL.5.2A, SCREW CONNECTION, STANDARD BREAKING CAPACITY, W. TRANSV. AUX. SWITCH 1NO/1NC

Figure similar

Product brand name	SIRIUS
Product designation	Circuit breaker
Design of the product	For motor protection
Product type designation	3RV1

Size of the circuit-breaker	S00
Size of contactor can be combined company-specific	S00
Product extension	
Auxiliary switch	Yes
Power loss [W] total typical	5 W
Insulation voltage with degree of pollution 3 rated	690 V
value	
Surge voltage resistance rated value	6 kV
maximum permissible voltage for safe isolation	
• in networks with grounded star point between	400 V
main and auxiliary circuit	
• in networks with grounded star point between	400 V
main and auxiliary circuit	

Protection class IP	
• on the front	IP20
of the terminal	IP00
Mechanical service life (switching cycles)	
of the main contacts typical	100 000
of auxiliary contacts typical	100 000
Electrical endurance (switching cycles)	
• typical	100 000
Type of protection	Increased safety
Protection against electrical shock	finger-safe
Equipment marking acc. to DIN EN 81346-2	Q
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
Temperature compensation	-20 +60 °C
Relative humidity during operation	10 95 %
Main circuit	
Number of poles for main current circuit	3
Adjustable pick-up value current of the current- dependent overload release	0.28 0.4 A
Operating voltage	
• rated value	690 V
 at AC-3 rated value maximum 	690 V
Operating frequency rated value	
Operating frequency rated value	50 60 Hz
Operating requerity rated value Operating current rated value	50 60 Hz 0.4 A
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Operating current rated value	
Operating current Operating current	
Operating current Operating current • at AC-3	0.4 A
Operating current rated value Operating current • at AC-3 — at 400 V rated value	0.4 A
Operating current rated value Operating current • at AC-3 — at 400 V rated value Operating power	0.4 A
Operating current rated value Operating current • at AC-3 — at 400 V rated value Operating power • at AC-3	0.4 A 0.4 A
Operating current rated value Operating current • at AC-3 — at 400 V rated value Operating power • at AC-3 — at 230 V rated value	0.4 A 0.4 A 60 W
Operating current rated value Operating current • at AC-3 — at 400 V rated value Operating power • at AC-3 — at 230 V rated value — at 400 V rated value	0.4 A 0.4 A 60 W 90 W
Operating current rated value Operating current • at AC-3 — at 400 V rated value Operating power • at AC-3 — at 230 V rated value — at 400 V rated value — at 500 V rated value	0.4 A 0.4 A 60 W 90 W 180 W
Operating current rated value Operating current • at AC-3 — at 400 V rated value Operating power • at AC-3 — at 230 V rated value — at 400 V rated value — at 500 V rated value — at 690 V rated value	0.4 A 0.4 A 60 W 90 W 180 W

transverse
1
1
1
1
0
2 A
2 A
2 A
2 A
0.5 A
1 A
0.15 A
No
Yes
CLASS 10
thermal
100 000 A
100 kA
100 kA
100 kA
100 kA
10 kA
10 kA
10 kA

 of instantaneous short-circuit trip unit 	5.2 A
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UL/CSA ratings	
Full-load current (FLA) for three-phase AC motor	
• at 480 V rated value	0.4 A
• at 600 V rated value	0.4 A
Contact rating of auxiliary contacts according to UL	C300 / R300
Short-circuit protection	
Product function Short circuit protection	Yes
Design of the short-circuit trip	magnetic
Design of the fuse link	
 for short-circuit protection of the auxiliary switch 	fuse gG: 10 A, miniature circuit breaker C 6 A (short-circuit current
required	lk < 400 A)
Design of the fuse link for IT network for short-circuit	
protection of the main circuit	
● at 240 V	none required
● at 400 V	None required
● at 500 V	None required
● at 690 V	None required
Installation/ mounting/ dimensions	
Mounting position	any
Mounting type	screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715
Height	90 mm
Width	45 mm
Depth	81 mm
Connections/Terminals	
Product function	

Connections/Terminals	
Product function	
 removable terminal for auxiliary and control circuit 	No
Type of electrical connection	
for main current circuit	screw-type terminals
 for auxiliary and control 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	
— single or multi-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 	
— single or multi-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
• 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
 of the auxiliary and control 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
Display version	
• for switching status	Rocker switch

General Product Approval

For use in hazardous locations













Declaration of
Conformity

Test Certificates Marine / Shipping



Special Test Certificate









Marine / Shipping

other





Confirmation

Miscellaneous



Further information

Information- and Downloadcenter (Catalogs, Brochures,...) http://www.siemens.com/industrial-controls/catalogs

Industry Mall (Online ordering system)

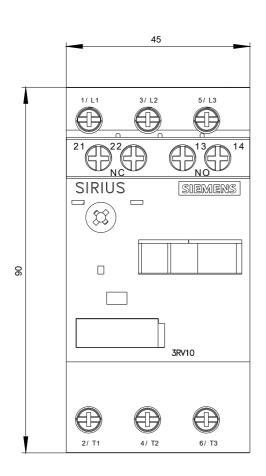
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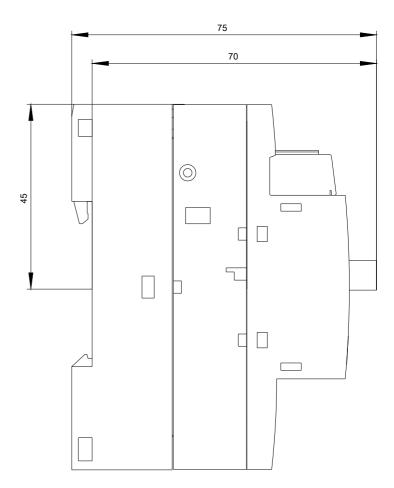
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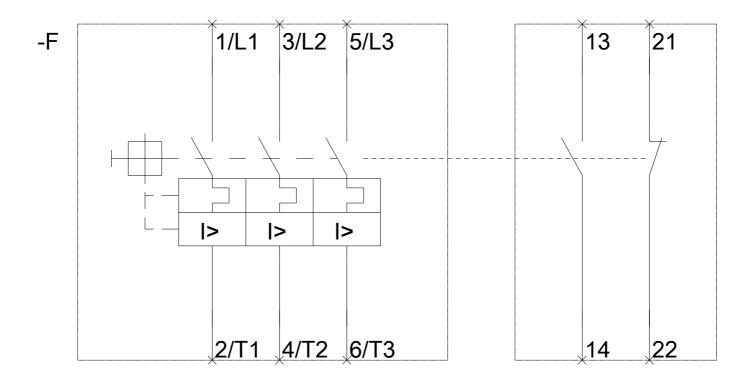
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Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3RV1011-0EA15

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RV1011-0EA15&lang=en







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