

Circuit breaker 6.3 A A-release 4.5...6.3 A, N-release 82 A, for motor protection, class 10, screw connection, standard switching capacity w. transverse AUX. switch 1 NO + 1 NC

product brand name	SIRIUS
product designation	Circuit breaker
design of the product	for motor protection
product type designation	3RV6
General technical data	
size of the circuit-breaker	S00
power loss [W] total typical	6 W
insulation voltage with degree of pollution 3 at AC rated value	690 V
surge voltage resistance rated value	6 kV
shock resistance acc. to IEC 60068-2-27	25g / 11 ms
Substance Prohibitance (Date)	01.05.2012 00:00:00
Ambient conditions	
installation altitude at height above sea level maximum	2 000 m
ambient temperature	
• during operation	-20 ... +60 °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	4.5 ... 6.3 A
operating voltage	
• rated value	690 V
• at AC-3 rated value maximum	690 V
operating frequency rated value	50 ... 60 Hz
operational current rated value	6.3 A
operational current at AC-3 at 400 V rated value	6.3 A
operating frequency at AC-3 maximum	15 1/h
Auxiliary circuit	
design of the auxiliary switch	transverse
Protective and monitoring functions	
trip class	CLASS 10
design of the overload release	thermal
breaking capacity operating short-circuit current (Ics) at AC at 400 V rated value	100 kA
breaking capacity maximum short-circuit current (Icu) at AC at 400 V rated value	100 kA

response value current of instantaneous short-circuit trip unit	82 A	
Short-circuit protection		
product function short circuit protection	Yes	
design of the short-circuit trip	magnetic	
Installation/ mounting/ dimensions		
mounting position	any	
fastening method	screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715	
height	97 mm	
width	45 mm	
depth	96 mm	
required spacing for grounded parts		
• forwards	0 mm	
• backwards	0 mm	
• upwards	50 mm	
• at the side	30 mm	
• downwards	50 mm	
Connections/ Terminals		
type of electrical connection		
• for main current circuit	screw-type terminals	
• for auxiliary and control 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 (0,75 ... 2,5 mm²), 2x 4 mm²	
— finely stranded with core end processing	2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²)	
• at AWG cables for main contacts	2x (18 to 12), 2x (20 to 16)	
type of connectable conductor cross-sections		
• for auxiliary contacts		
— solid or stranded	2x (0,5 ... 1,5 mm²), 2x (0,75 ... 2,5 mm²)	
— finely stranded with core end processing	2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²)	
• at AWG cables for auxiliary contacts	2x (20 ... 16), 2x (18 ... 14)	
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	
Safety related data		
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	
Certificates/ approvals		
General Product Approval	Test Certificates	other

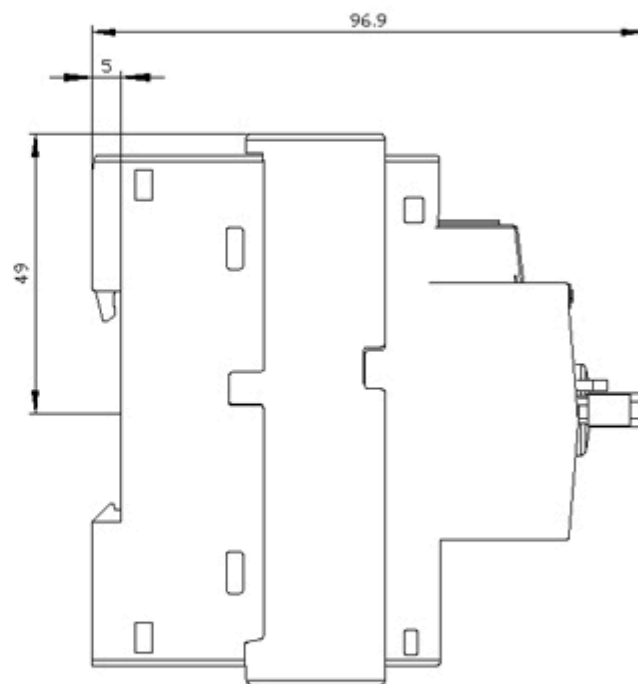
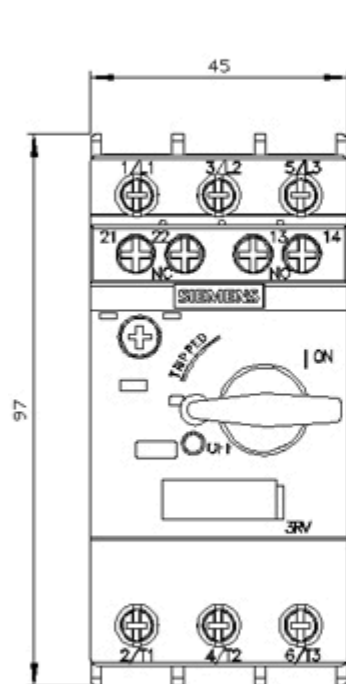


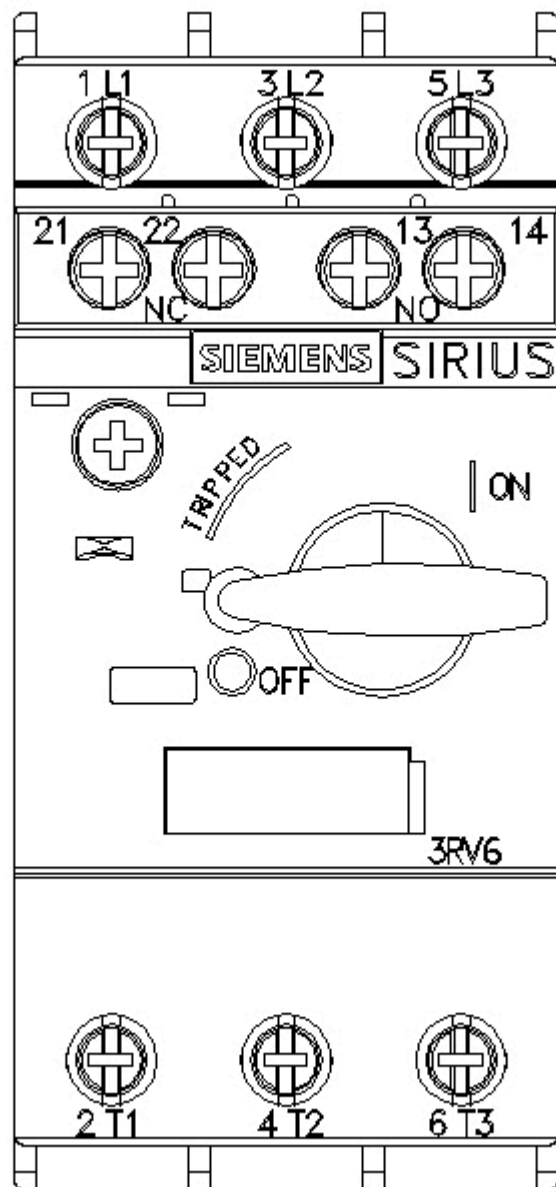
[Type Test Certificates/Test Report](#)

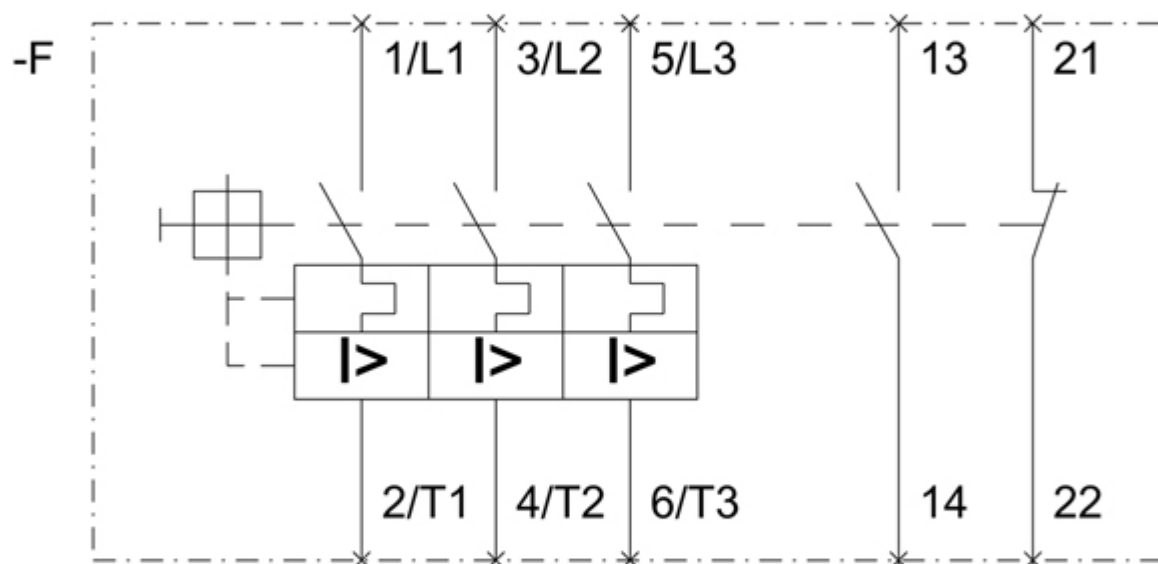
[Confirmation](#)

Further information

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
<https://support.industry.siemens.com/cs/products?pnid=16027&lc=en-CN>







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