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Data sheet 3RU6126-1GB0



Overload relay 4.5...6.3 A size S0, class 10, for motor protection for mounting onto contactors main circuit: screw terminal AUX. circuit: screw terminal manual automatic reset

product brand name	SIRIUS
product designation	Thermal overload relay
product type designation	3RU6
General technical data	
size of contactor can be combined company-specific	S0
power loss [W] total typical	5.7 W
power loss [W] for rated value of the current at AC in hot operating state	6.6 W
● per pole	2.2 W
type of calculation of power loss current-dependent	quadratic
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	8 g / 11 ms
Substance Prohibitance (day/month/year)	05/01/2012
Net Weight	0.16 kg
Ambient conditions	
installation altitude at height above sea level maximum	2 000 m
ambient temperature	
● during operation	-40 ... +70 °C
● during transport	-55 ... +80 °C
relative humidity during operation	0 ... 90 %
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
operating frequency rated value	50 ... 60 Hz
operational current rated value	6.3 A
Auxiliary circuit	
operational current of auxiliary contacts at AC-15	
● at 24 V	3 A
● at 230 V	2 A
operational current of auxiliary contacts at DC-13	
● at 24 V	2 A
● at 110 V	0.22 A
Protective and monitoring functions	
trip class	CLASS 10
design of the overload release	thermal
Installation/ mounting/ dimensions	

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mounting position	any
fastening method	Contactor mounting
height	85 mm
width	45 mm
depth	85 mm
required spacing for grounded parts at the side	6 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 (1 ... 2.5 mm²), 2x (2.5 ... 10 mm²)
● finely stranded with core end processing	2x (1 ... 2.5 mm²), 2x (2.5 ... 6 mm²), 1x 10 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)
— finely stranded with core end processing	2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²)
● for AWG cables for auxiliary contacts	2x (20 ... 16), 2x (18 ... 14)
tightening torque for main contacts with screw-type terminals	2 ... 2.5 N·m
Electrical Safety	
protection class IP on the front according to IEC 60529	IP20
touch protection on the front according to IEC 60529	finger-safe, for vertical contact from the front

Approvals Certificates

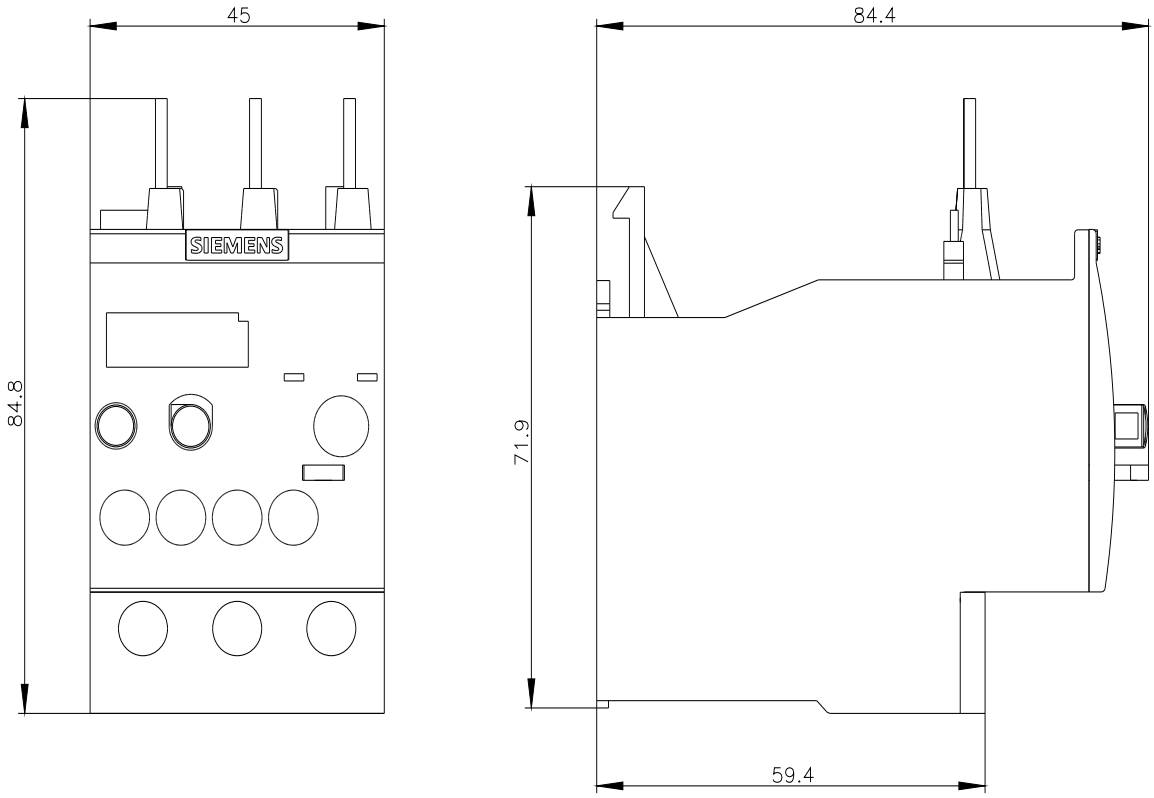
General Product Approval				Maritime application	other
CCC	cULus	EAC	CE EG-Konf.	CCS (China Classification Society)	Confirmation

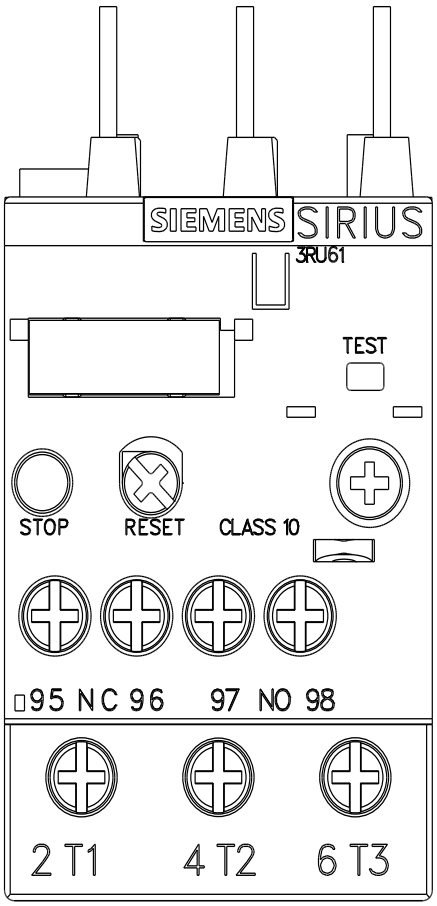
other	Environment
产品合格 QC PASS	Environmental Confirmations

Further information

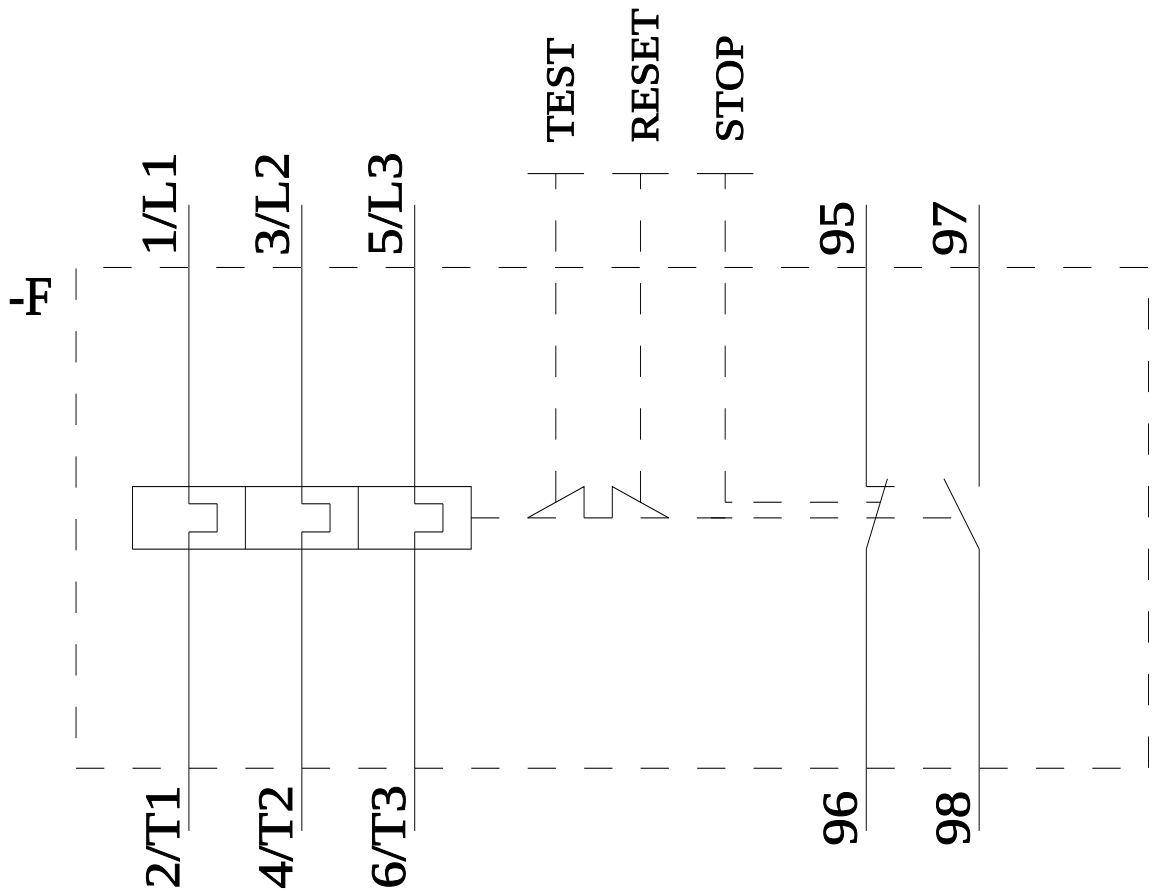
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