SIEMENS

Data sheet 3RU2126-4CB0



Overload relay 17...22 A Thermal For motor protection Size S0, Class 10 Contactor mounting Main circuit: Screw Auxiliary circuit: Screw Manual-Automatic-Reset

product brand name	SIRIUS
product designation	thermal overload relay
product type designation	3RU2
General technical data	
size of overload relay	S0
size of contactor can be combined company-specific	S0
power loss [W] for rated value of the current at AC in hot operating state	8.1 W
• per pole	2.7 W
insulation voltage with degree of pollution 3 at AC rated value	690 V
surge voltage resistance rated value	6 kV
maximum permissible voltage for safe isolation in networks with grounded star point	
 between auxiliary and auxiliary circuit 	440 V
 between auxiliary and auxiliary circuit 	440 V
 between main and auxiliary circuit 	440 V
between main and auxiliary circuit	440 V
shock resistance acc. to IEC 60068-2-27	8g / 11 ms
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 98 ATEX G 001
reference code acc. to IEC 81346-2	F
Substance Prohibitance (Date)	01.10.2009 00:00:00
Ambient conditions	
installation altitude at height above sea level maximum	2 000 m
ambient temperature	
 during operation 	-40 +70 °C
 during storage 	-55 +80 °C
during transport	-55 +80 °C
temperature compensation	-40 +60 °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	17 22 A
operating voltage	
rated value	690 V

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operating frequency rated value operational current rated value operating power at AC-3 opera		
operational current rated value operating power at AC-3 • at 400 V rated value • at 500 V rated value • at 690 V rated value Auxiliary circuit design of the auxiliary switch 22 A 11 kW 11 kW 18.5 kW		
operating power at AC-3 • at 400 V rated value • at 500 V rated value • at 690 V rated value 11 kW • at 690 V rated value 18.5 kW Auxiliary circuit design of the auxiliary switch integrated		
 at 400 V rated value at 500 V rated value at 690 V rated value 11 kW at 690 V rated value 18.5 kW Auxiliary circuit design of the auxiliary switch integrated 		
 at 500 V rated value at 690 V rated value 18.5 kW Auxiliary circuit design of the auxiliary switch integrated 		
at 690 V rated value Auxiliary circuit design of the auxiliary switch integrated		
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design of the auxiliary switch integrated		
number of NC contacts for auxiliary contacts 1		
note for contactor disconnection		
number of NO contacts for auxiliary contacts 1		
• note for message "Tripped"		
number of CO contacts for auxiliary contacts 0		
operational current of auxiliary contacts at AC-15		
• at 24 V		
• at 110 V 3 A		
• at 120 V		
• at 125 V		
• at 230 V 2 A		
• at 400 V 1 A		
operational current of auxiliary contacts at DC-13		
• at 24 V		
• at 60 V 0.3 A		
• at 110 V 0.22 A		
• at 125 V 0.22 A		
• at 220 V 0.11 A		
contact rating of auxiliary contacts according to UL B600 / R300		
Protective and monitoring functions		
trip class CLASS 10		
design of the overload release thermal		
UL/CSA ratings		
full-load current (FLA) for 3-phase AC motor • at 480 V rated value 22 A		
• at 600 V rated value 22 A		
Short-circuit protection		
design of the fuse link		
design of the fuse link • for short-circuit protection of the auxiliary switch fuse gG: 6 A, quick: 10 A		
design of the fuse link • for short-circuit protection of the auxiliary switch required fuse gG: 6 A, quick: 10 A		
design of the fuse link • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions fuse gG: 6 A, quick: 10 A		
design of the fuse link • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fuse gG: 6 A, quick: 10 A any		
design of the fuse link		
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design of the fuse link • for short-circuit protection of the auxiliary switch required fuse gG: 6 A, quick: 10 A Installation/ mounting/ dimensions any mounting position any fastening method Contactor mounting height 85 mm width 45 mm depth 85 mm		
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design of the fuse link ● for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method Contactor mounting height 85 mm width 45 mm depth 85 mm Connections/ Terminals product function removable terminal for auxiliary and control circuit type of electrical connection ● for main current circuit screw-type terminals		
design of the fuse link • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method height width depth Connections/ Terminals product function removable terminal for auxiliary and control circuit type of electrical connection • for main current circuit • for auxiliary and control circuit fuse gG: 6 A, quick: 10 A fu		
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General Product Approval	For use in hazardous locations
Certificates/ approvals	
display version for switching status	Slide switch
Display	
touch protection on the front acc. to IEC 60529	finger-safe, for vertical contact from the front
protection class IP on the front acc. to IEC 60529	IP20
T1 value for proof test interval or service life acc. to IEC 61508	20 y
MTTF with high demand rate	2 280 y
failure rate [FIT] with low demand rate acc. to SN 31920	50 FIT
Safety related data	
 of the auxiliary and control contacts 	M3
 for main contacts 	M4
design of the thread of the connection screw	
size of the screwdriver tip	Pozidriv PZ 2
design of screwdriver shaft	Diameter 5 6 mm
 for auxiliary contacts with screw-type terminals 	0.8 1.2 N·m
 for main contacts with screw-type terminals 	2 2.5 N·m
tightening torque	
 at AWG cables for auxiliary contacts 	2x (20 16), 2x (18 14)
 finely stranded with core end processing 	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
— solid or stranded	2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²)
 for auxiliary contacts 	
type of connectable conductor cross-sections	













Declaration of Conformity

Test Certificates

Marine / Shipping



Miscellaneous

Type Test Certific-ates/Test Report

Special Test Certific-ate





Marine / Shipping

other









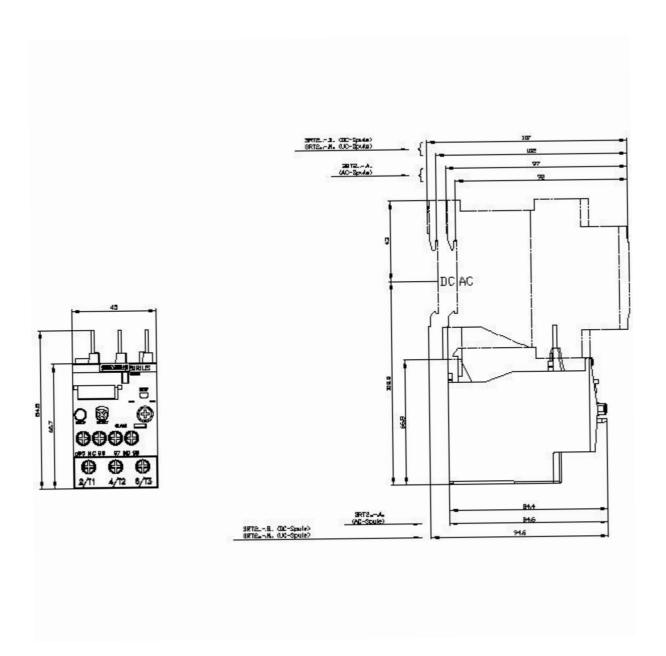


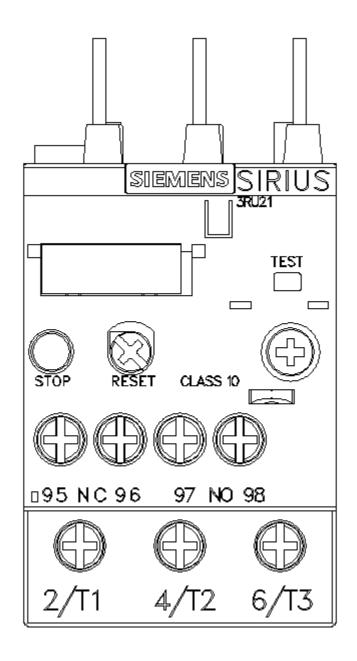
Confirmation

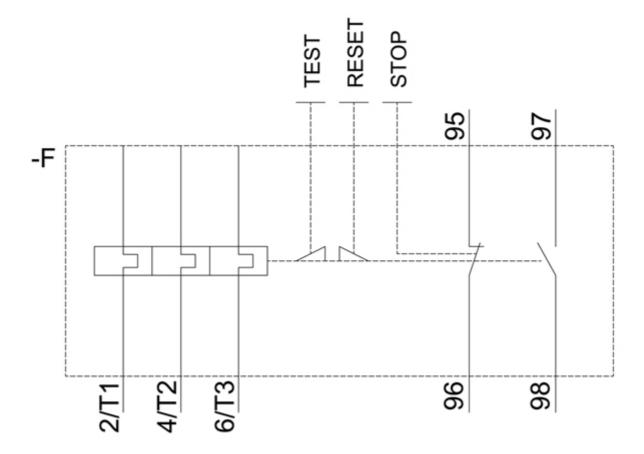
Railway

Vibration and Shock

Further information







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