## **SIEMENS**

**Data sheet** 3RU2126-1EB0



Overload relay 2.8...4.0 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	5.7 W
• per pole	1.9 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	
<ul> <li>between auxiliary and auxiliary circuit</li> </ul>	440 V
<ul> <li>between auxiliary and auxiliary circuit</li> </ul>	440 V
<ul> <li>between main and auxiliary circuit</li> </ul>	440 V
<ul> <li>between main and auxiliary circuit</li> </ul>	440 V
shock resistance according 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 according to IEC 81346-2	F
Substance Prohibitance (Date)	10/01/2009
Ambient conditions	
installation altitude at height above sea level maximum	2 000 m
ambient temperature	
<ul><li>during operation</li></ul>	-40 +70 °C
<ul><li>during storage</li></ul>	-55 +80 °C
<ul> <li>during transport</li> </ul>	-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	2.8 4 A
operating voltage	
rated value	690 V
<ul> <li>at AC-3e rated value maximum</li> </ul>	690 V
operating frequency rated value	50 60 Hz
operational current rated value	4 A
operational current at AC-3e at 400 V rated value	4 A

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operating power	
• at AC-3	
— at 400 V rated value	1.5 kW
— at 500 V rated value	2.2 kW
— at 690 V rated value	3 kW
• at AC-3e	
— at 400 V rated value	1.5 kW
— at 500 V rated value	2.2 kW
— at 690 V rated value	3 kW
Auxiliary circuit	
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	0.4
• at 24 V	3 A
• at 110 V	3 A
• at 120 V	3 A
• at 125 V	3 A
• at 230 V	2 A 1 A
● at 400 V ● at 690 V	0.75 A
	0.75 A
operational current of auxiliary contacts at DC-13  • at 24 V	2 A
• 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	2000711000
-	OLACC 40
trin alace	
trip class	CLASS 10
design of the overload release	thermal
design of the overload release UL/CSA ratings	
design of the overload release  UL/CSA ratings  full-load current (FLA) for 3-phase AC motor	thermal
design of the overload release  UL/CSA ratings  full-load current (FLA) for 3-phase AC motor  • at 480 V rated value	thermal 4 A
design of the overload release  UL/CSA ratings  full-load current (FLA) for 3-phase AC motor  • at 480 V rated value  • at 600 V rated value	thermal
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- solid or stranded

- finely stranded with core end processing

• at AWG cables for auxiliary contacts

tightening torque

• for main contacts with screw-type terminals

• for auxiliary contacts with screw-type terminals

design of screwdriver shaft size of the screwdriver tip

design of the thread of the connection screw

• for main contacts

• of the auxiliary and control contacts

2 ... 2.5 N·m

0.8 ... 1.2 N·m

Diameter 5 ... 6 mm

2x (20 ... 16), 2x (18 ... 14)

Pozidriv PZ 2

M4

МЗ

Safety related data

failure rate [FIT] with low demand rate according to SN 21020

MTTF with high demand rate

T1 value for proof test interval or service life according to

protection class IP on the front according to IEC 60529

touch protection on the front according to IEC 60529

50 FIT

2 280 y

20 y

IP20

finger-safe, for vertical contact from the front

2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²)

2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²)

isplay

display version for switching status Slide

Slide switch

Certificates/ approvals

**General Product Approval** 

For use in hazardous locations











For use in hazardous locations

**Declaration of Conformity** 

**Test Certificates** 

Marine / Shipping



IECEx







Marine / Shipping











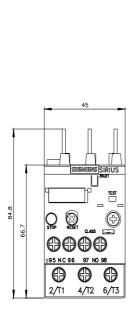


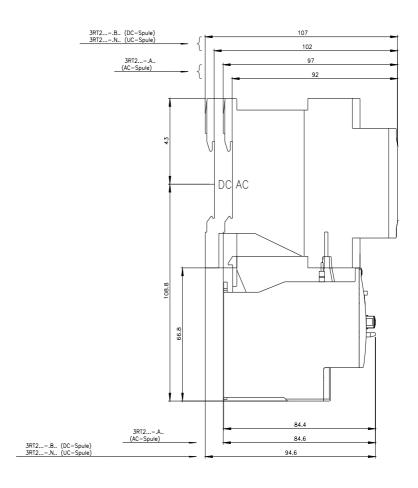
other

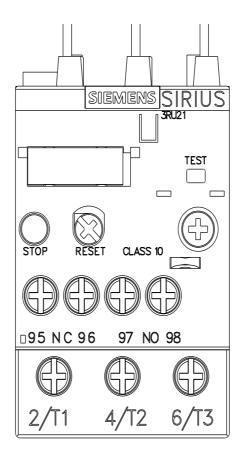
Railway

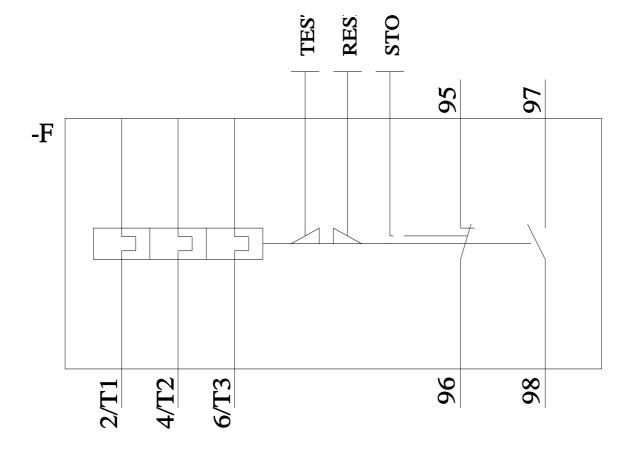
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