SIEMENS

Data sheet 3RU2126-4PB1



Overload relay 30...36 A Thermal For motor protection Size S0, Class 10 Stand-alone installation 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	9.6 W	
• per pole	3.2 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 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	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	30 36 A	
operating voltage		
rated value	690 V	
at AC-3e rated value maximum	690 V	
operating frequency rated value	50 60 Hz	

onorational aureant rated value	26 A
operational current at AC 22 at 400 V rated value	36 A
operational current at AC-3e at 400 V rated value	36 A
operating power • at AC-3	
at AC-3 — at 400 V rated value	18.5 kW
	18.5 KW
— at 500 V rated value	30 kW
— at 690 V rated value ● at AC-3e	30 KVV
■ at AC-3e — at 400 V rated value	10 E IAM
	18.5 kW 22 kW
— at 500 V rated value — at 690 V rated value	30 kW
	30 KW
Auxiliary circuit	
design of the auxiliary switch	integrated
number of NC contacts for auxiliary contacts	1 for contactor disconnection
• note	for contactor disconnection
number of NO contacts for auxiliary contacts	1
note note	for message "Tripped"
number of CO contacts for auxiliary contacts	0
operational current of auxiliary contacts at AC-15	2.4
• 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
• at 400 V	1 A
operational current of auxiliary contacts at DC-13	0.4
• 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	01.4.00.40
trip class	CLASS 10
design of the overload release	thermal
UL/CSA ratings	
full-load current (FLA) for 3-phase AC motor	00.4
• at 480 V rated value	36 A
at 600 V rated value	36 A
Short-circuit protection	
design of the fuse link	
for short-circuit protection of the auxiliary switch required.	fuse gG: 6 A, quick: 10 A
required	
Installation/ mounting/ dimensions	any
mounting position	any stand alone installation
fastening method	stand-alone installation 97 mm
height width	97 mm 45 mm
depth	95 mm
Connections/ Terminals	
product component removable terminal for auxiliary	No
and control circuit	
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	1x (1 2,5 mm²), 1x (2,5 10 mm²)

2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm²
2x (16 12), 2x (14 8)
2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
2x (20 16), 2x (18 14)
2 2.5 N·m
0.8 1.2 N·m
Diameter 5 6 mm
Pozidriv PZ 2
M4
M3
50 FIT
2 280 y
20 y
IP20
finger-safe, for vertical contact from the front
Slide switch

General Product Approval

For use in hazardous locations





Confirmation







For use in hazardous locations

Declaration of Conformity

Test Certificates

Marine / Shipping







Special Test Certificate

Type Test Certificates/Test Report



Marine / Shipping













other Railway

Confirmation Vibration and Shock

Information- and Downloadcenter (Catalogs, Brochures,...)

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RU2126-4PB1

Cax online generator

 $\underline{\text{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3RU2126-4PB1}$

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/ww/en/ps/3RU2126-4PB1

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RU2126-4PB1&lang=en

Characteristic: Tripping characteristics, I2t, Let-through current

https://support.industry.siemens.com/cs/ww/en/ps/3RU2126-4PB1/char

Further characteristics (e.g. electrical endurance, switching frequency)
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RU2126-4PB1&objecttype=14&gridview=view1

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