## SIEMENS

## Data sheet

## 3RU2126-4NJ0

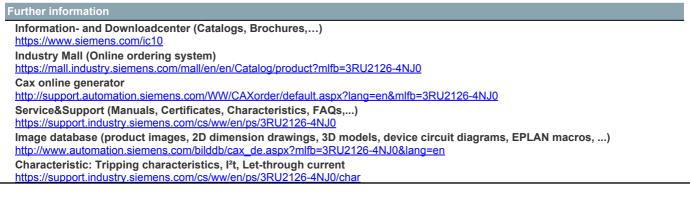


Overload relay 23...28 A Thermal For motor protection Size S0, Class 10 Contactor mounting Main circuit: Ring cable lug Auxiliary circuit: ring cable lug Manual-Automatic-Reset

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				
<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			
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	23 28 A			
operating voltage				
<ul> <li>rated value</li> </ul>	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	28 A
operational current at AC-3e at 400 V rated value	28 A
operating power	
• at AC-3	
— at 400 V rated value	15 kW
— at 500 V rated value	18.5 kW
— at 690 V rated value	22 kW
• at AC-3e	
- at 400 V rated value	15 kW
	18.5 kW
— at 500 V rated value — at 690 V rated value	
	22 kW
Auxiliary circuit	intermedied
design of the auxiliary switch	integrated
number of NC contacts for auxiliary contacts <ul> <li>note</li> </ul>	1 for contactor disconnection
number of NO contacts for auxiliary contacts	1 for more "Triangel"
note	for message "Tripped"
number of CO contacts for auxiliary contacts	0
operational current of auxiliary contacts at AC-15	
• 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	
• 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	
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	28 A
at 600 V rated value	28 A
Short-circuit protection	
design of the fuse link	
for short-circuit protection of the auxiliary switch	fuse gG: 6 A, quick: 10 A
required	
Installation/ mounting/ dimensions	
mounting position	any
fastening method	Contactor mounting
height	85 mm
width	45 mm
depth	85 mm
Connections/ Terminals	
	No
product component removable terminal for auxiliary and control circuit	
type of electrical connection	
for main current circuit	Ring cable lug connection
for auxiliary and control circuit	ring terminal lug connection
arrangement of electrical connectors for main current	Top and bottom
circuit	
tightening torque	
• for main contacts for ring cable lug	2.5 2 N·m
<ul> <li>for auxiliary contacts for ring cable lug</li> </ul>	0.8 1.2 N·m

outer diameter of th	e usable ring cable lug r	naximum	7.5 mm				
design of screwdriv			Diameter 5 6 mm				
size of the screwdriver tip			Pozidriv PZ 2				
design of the thread	l of the connection screw	v					
<ul> <li>for main contact</li> </ul>	for main contacts			M4			
<ul> <li>of the auxiliary</li> </ul>	and control contacts		M3				
Safety related data							
failure rate [FIT] with low demand rate according to SN 31920			50 FIT				
MTTF with high demand rate			2 280 у				
T1 value for proof test interval or service life according to IEC 61508			20 у				
protection class IP on the front according to IEC 60529			IP00				
Display							
display version for sw	vitching status		Slide switch				
Certificates/ approval	S						
General Product Ap	oproval				For use in hazard- ous locations		
SA SA	<u>Confirmation</u>			EAC	IECEx		
For use in hazard- ous locations	Declaration of Confor	mity	Test Certificates		Marine / Shipping		
KEx ATEX	UK CA	CE EG-Konf.	<u>Special Test Certific-</u> <u>ate</u>	<u>Type Test Certific-</u> ates/Test Report	ABS		
Marine / Shipping							
BUREAU VERITAS		Lloyd's Register uts	PRS	RINA	RMRS		
other	Railway						
Confirmation	Vibration and Shock						



Further characteristics (e.g. electrical endurance, switching frequency) http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RU2126-4NJ0&objecttype=14&gridview=view1

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