SIEMENS

Data sheet

3RU2126-4EB0



Overload relay 27...32 A Thermal For motor protection Size S0, Class 10 Contactor mounting Main circuit: Screw Auxiliary circuit: Screw Manual-Automatic-Reset

product brand name SIRUS product brand designation SRU2 cancer designation SRU2 cancer designation SRU2 size of overtoad relay S0 size of overtoad relay S0 power loss [W] for rated value of the current at AC in hot operating state 96 W power loss [W] for rated value of the current at AC in hot operating state 96 W using voltage resistance rated value 64 V makinum permissible voltage for protective separation 64 V n in networks with ungrounded star point between auxillary and auxillary circuit 440 V n in networks with ungrounded star point between main and auxillary circuit 440 V n in networks with ungrounded star point between main and auxillary circuit 440 V n in networks with ungrounded star point between main and auxillary circuit 440 V num networks with ungrounded star point between main and auxillary circuit 440 V substance Prohibitance (Date) 1001/2009 Substance Prohibitance (Date) 001/2009 Substance Prohibitance (Date) 200 m ambient temperature		
product type designation 3RU2 General technical data	product brand name	SIRIUS
General technical data S0 size of overload relay S0 power loss (W) for rated value of the current at AC in hot operating state 9.8 W • per pole 3.2 W Insulation voltage with degree of pollution 3 at AC rated value 600 V surge voltage resistance rated value 64 V maximum permissible voltage for protective separation 440 V • in networks with ungrounded star point between auxiliary and auxiliary circuit 440 V • in networks with ungrounded star point between main and auxiliary circuit 440 V • in networks with ungrounded star point between main and auxiliary circuit 440 V • in networks with ungrounded star point between main and auxiliary circuit 440 V • shock resistance according to IEC 60068-227 Bg /11 ms reference code according to IEC 60068-227 F Studiation altitude at height above sea level maximum 0.21 kg Ambient conditions 200 m Installation altitude at height above sea level maximum 200 m ambient temperature -455 +80 °C • during operation 40 +70 °C • during transport -55 +80 °C • during	product designation	thermal overload relay
size of contactor can be combined company-specific S0 size of contactor can be combined company-specific S0 power toss [W] for rated value of the current at AC in hot 9.6 W operating state 9.6 W • per pole 3.2 W insulation voltage with degree of pollution 3 at AC rated value 600 V surge voltage resistance rated value 6 kV maximum permissible voltage for protective separation 6 kV • in networks with ungrounded star point between auxiliary and auxiliary circuit 440 V • in networks with ungrounded star point between auxiliary and auxiliary circuit 440 V • in networks with ungrounded star point between main and auxiliary circuit 440 V • in networks with ungrounded star point between main and auxiliary circuit 440 V • an networks with ungrounded star point between main and auxiliary circuit 440 V • block resistance according to IEC 60068-2-27 Bg / 11 ms reference code according to IEC 60068-2-27 Bg / 10 ms reference code according to IEC 60068-2-27 Bg / 10 ms substance name Lead - 7439-92-1 Weight 0.21 kg Ambient conditions 400 +70 °C installation altitude at height above sea level maximum 400 +70 °C • during storage -55 +80 °C • during transp	product type designation	3RU2
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temperature compensation -40 +60 °C relative humidity during operation 10 95 % Main circuit 3 number of poles for main current circuit 3 adjustable current response value current of the current- dependent overload release 27 32 A operating voltage 690 V • rated value 690 V • at AC-3e rated value maximum 690 V operating frequency rated value 50 60 Hz	during storage	-55 +80 °C
relative humidity during operation 10 95 % Main circuit 3 number of poles for main current circuit 3 adjustable current response value current of the current- dependent overload release 27 32 A operating voltage rated value 690 V operating frequency rated value 50 60 Hz	during transport	-55 +80 °C
Main circuit 3 number of poles for main current circuit 3 adjustable current response value current of the current- dependent overload release 27 32 A operating voltage rated value 690 V eat AC-3e rated value maximum 690 V 690 V 690 V 690 V operating frequency rated value 50 60 Hz	temperature compensation	-40 +60 °C
number of poles for main current circuit 3 adjustable current response value current of the current- dependent overload release 27 32 A operating voltage rated value 690 V at AC-3e rated value maximum 690 V 690 V 690 V 690 V operating frequency rated value 50 60 Hz	relative humidity during operation	10 95 %
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dependent overload release operating voltage • rated value • at AC-3e rated value maximum operating frequency rated value 50 60 Hz	number of poles for main current circuit	3
• rated value 690 V • at AC-3e rated value maximum 690 V operating frequency rated value 50 60 Hz		27 32 A
at AC-3e rated value maximum 690 V 50 60 Hz	operating voltage	
operating frequency rated value 50 60 Hz	rated value	690 V
	 at AC-3e rated value maximum 	690 V
operational current rated value 32 A	operating frequency rated value	50 60 Hz
	operational current rated value	32 A

operational current at AC-3e at 400 V rated value	32 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	30 kW
• at AC-3e	
— at 400 V rated value	15 kW
— at 500 V rated value	18.5 kW
— at 690 V rated value	30 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	
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
• at 690 V	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
- of 105 \/	0.22 A
• at 125 V	V.LL IX
• at 125 V • at 220 V	0.12 A 0.11 A
• at 220 V	0.11 A
• at 220 V contact rating of auxiliary contacts according to UL	0.11 A
at 220 V contact rating of auxiliary contacts according to UL Protective and monitoring functions	0.11 A B600 / R300
• at 220 V contact rating of auxiliary contacts according to UL Protective and monitoring functions trip class	0.11 A B600 / R300 CLASS 10
at 220 V contact rating of auxiliary contacts according to UL Protective and monitoring functions trip class design of the overload release	0.11 A B600 / R300 CLASS 10
tat 220 V contact rating of auxiliary contacts according to UL Protective and monitoring functions trip class design of the overload release UL/CSA ratings	0.11 A B600 / R300 CLASS 10
tat 220 V contact rating of auxiliary contacts according to UL Protective and monitoring functions trip class design of the overload release UL/CSA ratings full-load current (FLA) for 3-phase AC motor	0.11 A B600 / R300 CLASS 10 thermal
• at 220 V contact rating of auxiliary contacts according to UL Protective and monitoring functions trip class 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	0.11 A B600 / R300 CLASS 10 thermal 32 A
tat 220 V contact rating of auxiliary contacts according to UL Protective and monitoring functions trip class 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 Short-circuit protection	0.11 A B600 / R300 CLASS 10 thermal 32 A
tat 220 V contact rating of auxiliary contacts according to UL Protective and monitoring functions trip class 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 short-circuit protection design of the fuse link	0.11 A B600 / R300 CLASS 10 thermal 32 A 32 A
tat 220 V contact rating of auxiliary contacts according to UL Protective and monitoring functions trip class 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 Short-circuit protection design of the fuse link of rashort-circuit protection of the auxiliary switch required	0.11 A B600 / R300 CLASS 10 thermal 32 A
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at 220 V contact rating of auxiliary contacts according to UL Protective and monitoring functions trip class 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 Short-circuit protection design of the fuse link ofor short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position	0.11 A B600 / R300 CLASS 10 thermal 32 A 32 A 32 A fuse gG: 6 A, quick: 10 A
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at 220 V contact rating of auxiliary contacts according to UL Protective and monitoring functions trip class 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 Short-circuit protection design of the fuse link ofor short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method height	0.11 A B600 / R300 CLASS 10 thermal 32 A 32 A 32 A 32 A fuse gG: 6 A, quick: 10 A any Contactor mounting 85 mm
at 220 V contact rating of auxiliary contacts according to UL Protective and monitoring functions trip class 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 Short-circuit protection design of the fuse link o for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method height width	0.11 A B600 / R300 CLASS 10 thermal 32 A 32 A 32 A 32 A 32 A 32 A 4 5 Contactor mounting 85 mm 45 mm
 at 220 V contact rating of auxiliary contacts according to UL Protective and monitoring functions trip class design of the overload release UL/CSA ratings full-load current (FLA) for 3-phase AC motor at 600 V rated value at 600 V rated value stort-circuit protection design of the fuse link for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method height width depth 	0.11 A B600 / R300 CLASS 10 thermal 32 A 32 A 32 A 32 A fuse gG: 6 A, quick: 10 A any Contactor mounting 85 mm
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at 220 V contact rating of auxiliary contacts according to UL Protective and monitoring functions trip class 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 at 600 V rated value Short-circuit protection design of the fuse link o for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method height width depth Connections/ Terminals product component removable terminal for auxiliary and control circuit type of electrical connection of remain current circuit	0.11 A B600 / R300 CLASS 10 thermal 32 A 32 A 32 A 32 A fuse gG: 6 A, quick: 10 A any Contactor mounting 85 mm 45 mm 85 mm 85 mm
at 220 V contact rating of auxiliary contacts according to UL Protective and monitoring functions trip class 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 Short-circuit protection design of the fuse link ofor short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method height width depth Connections/ Terminals product component removable terminal for auxiliary and control circuit type of electrical connection of ra auxiliary and control circuit arrangement of electrical connectors for main current	0.11 A B600 / R300 CLASS 10 thermal 32 A 32 A 32 A 32 A 4 fuse gG: 6 A, quick: 10 A any Contactor mounting 85 mm 45 mm 45 mm 85 mm No
at 220 V contact rating of auxiliary contacts according to UL Protective and monitoring functions trip class 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 at 600 V rated value Short-circuit protection design of the fuse link of or short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method height width depth Connections/ Terminals product component removable terminal for auxiliary and control circuit type of electrical connection of rauxiliary and control circuit arrangement of electrical connectors for main current circuit	0.11 A B600 / R300 CLASS 10 thermal 32 A 32 A 32 A 32 A 4 fuse gG: 6 A, quick: 10 A any Contactor mounting 85 mm 45 mm 45 mm 85 mm No
at 220 V contact rating of auxiliary contacts according to UL Protective and monitoring functions trip class 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 at 600 V rated value Short-circuit protection design of the fuse link o for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method height width depth Connections/ Terminals product component removable terminal for auxiliary and control circuit type of electrical connection o for auxiliary and control circuit arrangement of electrical connectors for main current circuit type of connectable conductor cross-sections	0.11 A B600 / R300 CLASS 10 thermal 32 A 32 A 32 A 32 A 4 fuse gG: 6 A, quick: 10 A any Contactor mounting 85 mm 45 mm 85 mm 45 mm 85 mm
at 220 V contact rating of auxiliary contacts according to UL Protective and monitoring functions trip class 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 Short-circuit protection design of the fuse link 	0.11 A B600 / R300 CLASS 10 thermal 32 A 32 A 32 A 32 A 32 A 32 A 32 M 45 mm 45 mm 45 mm 45 mm 85 mm 45 mm 25 crew-type terminals screw-type terminals Top and bottom 2x (1 2.5 mm ²), 2x (2.5 10 mm ²)
at 220 V contact rating of auxiliary contacts according to UL Protective and monitoring functions trip class 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 Short-circuit protection design of the fuse link 	0.11 A B600 / R300 CLASS 10 thermal 32 A 32 A 32 A 32 A 32 A 7 fuse gG: 6 A, quick: 10 A 7 contactor mounting 85 mm 45 mm 85 mm 45 mm 85 mm 70 No

— solid or str	tacts anded	5	2x (0.5 1.5 mm²), 2x (0.75 .	2.5 mm²)	
finely stranded with core end processingfor AWG cables for auxiliary contacts		2x (0.5 1.5 mm ²), 2x (0.75 2.5 mm ²) 2x (20 16), 2x (18 14)			
tightening torque			2x (20 10), 2x (10 14)		
 for main contact 	s with screw-type terminals tacts with screw-type termi		2 2.5 N·m 0.8 1.2 N·m		
design of screwdrive			Diameter 5 6 mm		
size of the screwdrive			Pozidriv PZ 2		
	of the connection screw				
 for main contact 	S		M4		
of the auxiliary and control contacts		M3			
Safety related data					
failure rate [FIT] with low demand rate according to SN 31920		50 FIT			
MTTF with high dema	MTTF with high demand rate		2 280 a		
IEC 61508					
• for proof test interval or service life according to IEC 61508		20 a			
Electrical Safety					
	n the front according to I		IP20		
-	he front according to IEC	60529	finger-safe, for vertical contact	t from the front	
Display					
display version for swit	tching status		Slide switch		
Approvals Certificates		_			
EG-Konf.	UK		\bigcirc		
	<u> </u>		ccc	UL	LIIL
For use in hazardous	slocations	Test Certificate	ccc 05	UL Marine / Shipping	
For use in hazardous	s locations	Test Certificate	tific- Special Test Certific-	UL Marine / Shipping	
IECEx	s locations	Type Test Cer	tific- Special Test Certific-	UL Marine / Shipping	LITE UREAU VERITAS
IECEx	s locations	Type Test Cer	tific- Special Test Certific-	UL Marine / Shipping ABS	
IECEx Marine / Shipping	ATEX ATEX	Type Test Cer	tific- Special Test Certific-	UL Marine / Shipping ABS	other
IECEX Marine / Shipping	LIRS	Type Test Cer ates/Test Rep	tific- Special Test Certific-	UL Marine / Shipping ABS	other

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RU2126-4EB0

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

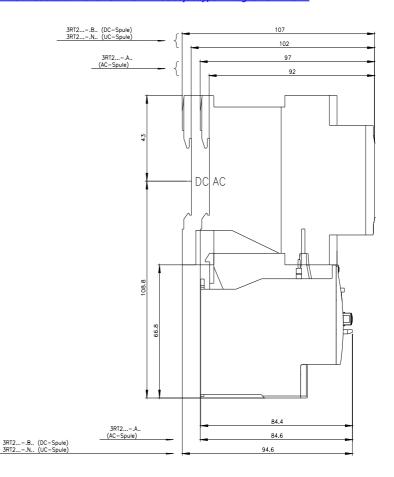
https://support.industry.siemens.com/cs/ww/en/ps/3RU2126-4EB0

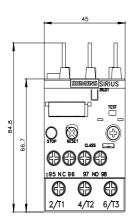
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RU2126-4EB0&lang=en

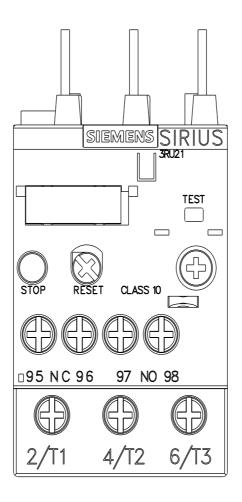
Characteristic: Tripping characteristics, I2t, Let-through current

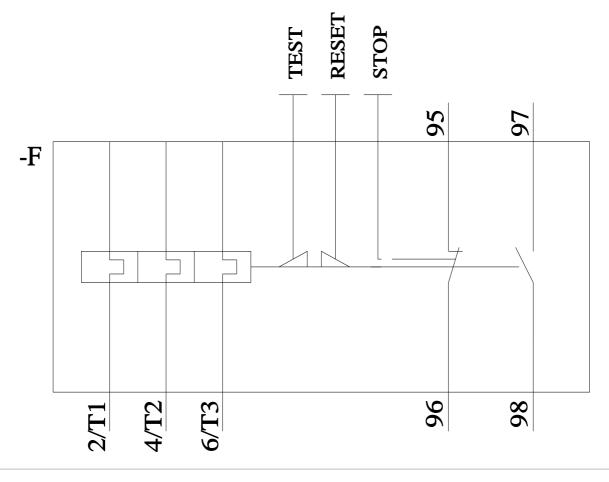
https://support.industry.siemens.com/cs/ww/en/ps/3RU2126-4EB0/char Further characteristics (e.g. electrical endurance, switching frequency)

arch&mlfb=3RU2126-4EB0&objecttype=14&gridview=view1 http://www.automation.siemens.com/bilddb/index.aspx?view=S









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