SIEMENS

Data sheet

3RU2126-1DJ0



Overload relay 2.2...3.2 A Thermal For motor protection Size S0, Class 10 Contactor mounting Main circuit: Ring cable lug Auxiliary circuit: ring cable lug Manual-Automatic-Reset

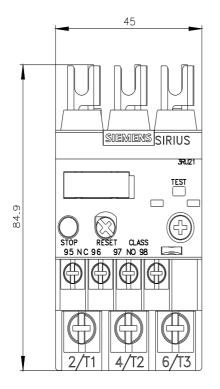
product designation thermal overload relay product type designation 3RU2 General tachnical data size of contactor can be combined company-specific S0 size of contactor can be combined company-specific S0 S0 power loss (M) for rated value of the current at AC in hot operating state 5.7 W S0 • per pole 1.9 W S0 Size of vortad relay insulation voltage with degree of pollution 3 at AC rated value 680 V S0 surge voltage resistance rated value 64V S0 S0 e per pole 1.9 W S0 S0 S0 surge voltage resistance rated value 68V S0 S0 S0 surge voltage resistance rated value 64V S0		
product type designation 3RU2 General tachnical data	product brand name	SIRIUS
Ceneral technical data S0 size of overload relay S0 size of contactor can be combined company-specific S0 oppertions (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 600 V surge voltage resistance rated value 64 V maximum permissible voltage for protective separation in networks with grounded star point 440 V • between auxiliary and auxiliary circuit 440 V • between main and auxiliary circuit 440 V • between auxiliary and auxiliary circuit 440 V • between auxiliary and auxiliary circuit 440 V • between according to IEC 60088-227 8g / 11 ms type of protection according to IEC 80188-227 Bg / 11 ms type of protection according to IEC 81345-2 F Substance Prohibitance (Date) 10/01/2009 Ambient conditions 1 installation altidue at height above sea level maximum 2000 m ambient temperature -40 +70 °C • during storage -55 +80 °C • during itorage <th></th> <th></th>		
size of overload relay S0 size of contactor can be combined company-specific S0 power loss [M] 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 680 V surge voltage resistance rated value 68V maximum permissible voltage for protective separation in networks with grounded star point 440 V • between auxiliary and auxiliary circuit 440 V • between main and auxiliary circuit 440 V • between ratin and auxiliary circuit 440 V • between the interver 2014/34/EU DMT 98 ATEX G 001 reference code according to IEC 81346-2 F Substance Prohibitance (Date) 10/01/2009 Ambient conditions 2000 m instalation altitude at height above sea level maximum 2000 m <t< th=""><th></th><th>3RU2</th></t<>		3RU2
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insulation voltage with degree of pollution 3 at AC rated value 690 V surge voltage resistance rated value 6 kV maximum permissible voltage for protective separation in networks with grounded star point 440 V • between auxiliary and auxiliary circuit 440 V • between main and auxiliary circuit 440 V • between auxiliary circuit 58/ 11 ms type of protection according to ATEX directive 2014/34/EU DMT 98 ATEX G 001 reference code according to IEC 81346-2 F Substance Prohibitance (Date) 100/1/2009 Ambient c		5.7 W
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maximum permissible voltage for protective separation in networks with grounded star point • between auxiliary and auxiliary circuit 440 V • between main and auxiliary circuit 40 V • protection according to ATEX directive 2014/34/EU DMT 98 ATEX G 001 certificate of suitability according to ATEX directive 2014/34/EU DMT 98 ATEX G 001 reference code according to IEC 81345-2 F Substance Prohibitance (Date) 10/01/2009 Ambient conditions 2000 m <t< th=""><th>insulation voltage with degree of pollution 3 at AC rated value</th><th>690 V</th></t<>	insulation voltage with degree of pollution 3 at AC rated value	690 V
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• 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 2 000 m ambient temperature -40 +70 °C • during operation -40 +70 °C • during tarsport -55 +80 °C • during transport -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 690 V • at AC-3e rated value 690 V • at AC-3e rated value 50 60 Hz operating frequency rated value 52 60 Hz operational current rated value 3.2 A	 between auxiliary and auxiliary circuit 	440 V
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Substance Prohibitance (Date) 10/01/2009 Ambient conditions 2 000 m ambient temperature -40 +70 °C • 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 3 number of poles for main current circuit 3 adjustable current response value current of the current-dependent overload release 690 V • at AC-3e rated value 690 V • at AC-3e rated value 50 60 Hz operating frequency rated value 50 60 Hz operational current rated value 3.2 A	certificate of suitability according to ATEX directive 2014/34/EU	DMT 98 ATEX G 001
Ambient conditions installation altitude at height above sea level maximum 2 000 m ambient temperature -40 +70 °C • 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 3 number of poles for main current circuit 3 adjustable current response value current of the current- 2.2 3.2 A operating voltage 690 V • at AC-3e rated value maximum 690 V operating frequency rated value 50 60 Hz operational current rated value 3.2 A	reference code according to IEC 81346-2	F
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• during storage -55 +80 °C • during transport -55 +80 °C temperature compensation -40 +60 °C relative humidity during operation 10 95 % Main circuit 3 adjustable current response value current of the current- dependent overload release 2.2 3.2 A operating voltage 690 V • at AC-3e rated value maximum 690 V operating frequency rated value 50 60 Hz operational current at AC-3e at 400 V rated value 3.2 A	ambient temperature	
• during transport -55 +80 °C temperature compensation -40 +60 °C relative humidity during operation 10 95 % Main circuit 3 adjustable current response value current of the current- dependent overload release 2.2 3.2 A operating voltage 690 V • at AC-3e rated value maximum 690 V operating frequency rated value 50 60 Hz operational current rated value 3.2 A operational current at AC-3e at 400 V rated value 3.2 A	during operation	-40 +70 °C
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 2.2 3.2 A operating voltage 690 V • rated value 690 V • at AC-3e rated value maximum 690 V operating frequency rated value 50 60 Hz operational current rated value 3.2 A	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 2.2 3.2 A operating voltage 690 V • rated value 690 V • at AC-3e rated value maximum 690 V operating frequency rated value 50 60 Hz operational current rated value 3.2 A operational current at AC-3e at 400 V rated value 3.2 A	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 2.2 3.2 A operating voltage 690 V • rated value 690 V • at AC-3e rated value maximum 690 V operating frequency rated value 50 60 Hz operational current rated value 3.2 A operational current at AC-3e at 400 V rated value 3.2 A	temperature compensation	-40 +60 °C
number of poles for main current circuit 3 adjustable current response value current of the current- dependent overload release 2.2 3.2 A operating voltage rated value 690 V at AC-3e rated value maximum 690 V operating frequency rated value 50 60 Hz operational current rated value 3.2 A operational current at AC-3e at 400 V rated value 3.2 A operational current at AC-3e at 400 V rated value 3.2 A operational current at AC-3e at 400 V rated value	relative humidity during operation	10 95 %
adjustable current response value current of the current- 2.2 3.2 A operating voltage 690 V • rated value 690 V • at AC-3e rated value maximum 690 V operating frequency rated value 50 60 Hz operational current rated value 3.2 A operational current at AC-3e at 400 V rated value 3.2 A	Main circuit	
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operating frequency rated value50 60 Hzoperational current rated value3.2 Aoperational current at AC-3e at 400 V rated value3.2 A	rated value	690 V
operational current rated value 3.2 A operational current at AC-3e at 400 V rated value 3.2 A	at AC-3e rated value maximum	690 V
operational current at AC-3e at 400 V rated value 3.2 A	operating frequency rated value	50 60 Hz
	operational current rated value	3.2 A
operating power	operational current at AC-3e at 400 V rated value	3.2 A
	operating power	

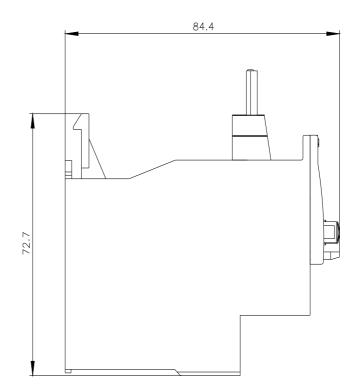
• at AC-3			
— at 400 V rated value	1.1 kW		
— at 500 V rated value	1.5 kW		
— at 690 V rated value	2.2 kW		
• at AC-3e			
— at 400 V rated value	1.1 kW		
— at 500 V rated value	1.5 kW		
— at 690 V rated value	2.2 kW		
Auxiliary circuit			
design of the auxiliary switch	integrated		
number of NC contacts 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			
• 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 200 V • at 400 V	1A		
	0.75 A		
at 690 V	0.13 A		
operational current of auxiliary contacts at DC-13	2.4		
• 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			
trip class	CLASS 10		
trip class design of the overload release	CLASS 10 thermal		
trip class design of the overload release UL/CSA ratings			
trip class design of the overload release UL/CSA ratings full-load current (FLA) for 3-phase AC motor	thermal		
trip class design of the overload release UL/CSA ratings			
trip class design of the overload release UL/CSA ratings full-load current (FLA) for 3-phase AC motor	thermal		
trip class design of the overload release UL/CSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value	thermal 3.2 A		
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	thermal 3.2 A		
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	thermal 3.2 A		
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	thermal 3.2 A 3.2 A		
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 • for short-circuit protection of the auxiliary switch required	thermal 3.2 A 3.2 A		
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 • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions	thermal 3.2 A 3.2 A fuse gG: 6 A, quick: 10 A		
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 • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position	thermal 3.2 A 3.2 A fuse gG: 6 A, quick: 10 A any		
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 • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method	thermal 3.2 A 3.2 A 3.2 A fuse gG: 6 A, quick: 10 A any Contactor mounting		
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 • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method height	thermal 3.2 A 3.2 A 3.2 A fuse gG: 6 A, quick: 10 A any Contactor mounting 85 mm		
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 • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method height width	thermal 3.2 A 3.2 A fuse gG: 6 A, quick: 10 A any Contactor mounting 85 mm 45 mm		
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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 • 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	thermal 3.2 A 3.2 A 3.2 A fuse gG: 6 A, quick: 10 A any Contactor mounting 85 mm 45 mm 85 mm		
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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 • 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 • for main current circuit • for auxiliary and control circuit arrangement of electrical connectors for main current circuit tightening torque • for main contacts for ring cable lug • outer diameter of the usable ring cable lug maximum	thermal 3.2 A 3.2 A 3.2 A 3.2 A fuse gG: 6 A, quick: 10 A any Contactor mounting 85 mm 45 mm 85 mm No No Ring cable lug connection ring terminal lug connection Top and bottom 2.5 2 N·m 0.8 1.2 N·m		
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 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 ofor auxiliary and control circuit arrangement of electrical connectors for main current circuit ightening torque ofor auxiliary contacts for ring cable lug outer diameter of the usable ring cable lug maximum design of screwdriver shaft	thermal 3.2 A 3.2 A 3.2 A 3.2 A fuse gG: 6 A, quick: 10 A any Contactor mounting 85 mm 45 mm 45 mm 85 mm No No Ring cable lug connection ring terminal lug connection Top and bottom 2.5 2 N·m 0.8 1.2 N·m 7.5 mm Diameter 5 6 mm		
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 • 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 • for main current circuit • for auxiliary and control circuit arrangement of electrical connectors for main current circuit tightening torque • for main contacts for ring cable lug • outer diameter of the usable ring cable lug maximum	thermal 3.2 A 3.2 A 3.2 A 3.2 A fuse gG: 6 A, quick: 10 A any Contactor mounting 85 mm 45 mm 85 mm No No Ring cable lug connection ring terminal lug connection Top and bottom 2.5 2 N·m 0.8 1.2 N·m 7.5 mm		

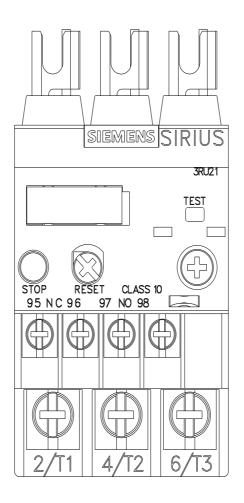
 for main contacts 		M4		
 of the auxiliary and control contacts 		M3		
Safety related data				
failure rate [FIT] with low demand rate according to SN 31920		50 FIT		
MTTF with high demand rate		2 280 a		
T1 value for proof test interval or service life ac 61508	cording to IEC	20 a		
protection class IP on the front according t	o IEC 60529	IP00		
Display				
display version for switching status		Slide switch		
Certificates/ approvals				
General Product Approval			For use in hazardous	locations
<u>Confirmation</u>	UL ut	EAC	ATEX A	IECEx
Declaration of Conformity	Test Certificate	9S	Marine / Shipping	
UK CE CA CE	<u>Special Test Ce</u> ate	rtific- <u>Type Test Certific-</u> ates/Test Report	ABS	BUREAU
Marine / Shipping				other
DNV UKS	PRS	RINA	RMRS	<u>Confirmation</u>
Railway				

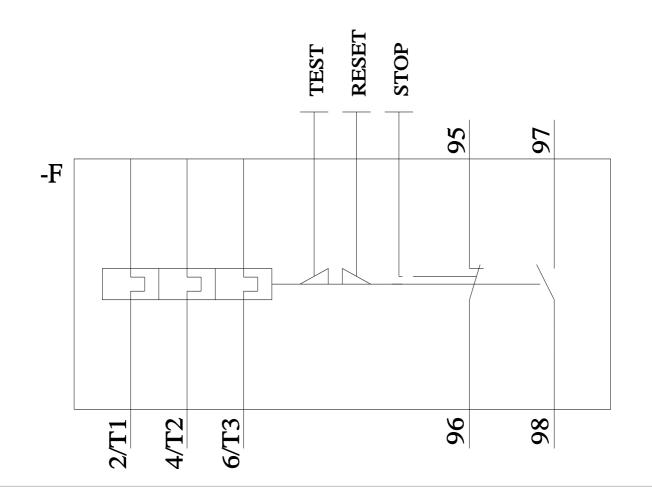
Vibration and Shock

	cided to exit the Russian market (see here).
https://press.siem	nens.com/global/en/pressrelease/siemens-wind-down-russian-business
Siemens is work	ing on the renewal of the current EAC certificates.
	our local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to
EAC relevant ma	rket (other than the sanctioned EAEU member states Russia or Belarus).
Information on t	he packaging
https://support.ind	dustry.siemens.com/cs/ww/en/view/109813875
Information- and	I Downloadcenter (Catalogs, Brochures,)
https://www.siem	ens.com/ic10
Industry Mall (O	nline ordering system)
https://mall.indust	try.siemens.com/mall/en/en/Catalog/product?mlfb=3RU2126-1DJ0
Cax online gene	rator
http://support.aut	omation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RU2126-1DJ0
Service&Suppor	t (Manuals, Certificates, Characteristics, FAQs,)
https://support.ind	dustry.siemens.com/cs/ww/en/ps/3RU2126-1DJ0
	(product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros,)
http://www.autom	ation.siemens.com/bilddb/cax_de.aspx?mlfb=3RU2126-1DJ0⟨=en
	Fripping characteristics, I ² t, Let-through current
https://support.ind	dustry.siemens.com/cs/ww/en/ps/3RU2126-1DJ0/char
Further characte	eristics (e.g. electrical endurance, switching frequency)
http://www.autom	ation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RU2126-1DJ0&objecttype=14&gridview=view1









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