SIEMENS

Data sheet

3RU2126-4EJ0



Overload relay 27...32 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 General tachnical data S0 size of vorload relay S0 size of contactor can be combined company-specific S0 operating state S0 • per pole S2 W Insulation voltage with degree of pollution 3 at AC rated value 68 W surge voltage resistance rated value 68 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 55 (12 GD		
product type designation 3RU2 Ganaral technical data	product brand name	SIRIUS
General technical data S0 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 9.6 W operating state 9.0 PV insulation voltage with degree of pollution 3 at AC rated value 690 V surge voltage resistance rated value 68.V maximum permissible voltage for protective separation in networks with grounded star point 440 V • between auxiliary and auxiliary circuit 440 V • between auxiliary and auxiliary circuit 440 V • between main and auxiliary circuit 400 V • between main and auxiliary circuit 50.001 • during torage 50.102 OU • during torage 50.102 OU	product designation	thermal overload relay
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 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 in networks with grounded star point 440 V • between auxiliary and auxiliary circuit 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 circuit 440 V • between main and auxiliary circuit 440 V • between auxiliary circuit 440 V • between auxiliary circuit 0.11/20.0D cartification 0.10/12	product type designation	3RU2
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 Insultation voltage with degree of pollution 3 at AC rated value 690 V surge voltage resistance rated value 64V 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 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 6136-2 F Substance Prohibitance (Date) 10/01/2009 Ambient conditions 2000 m entige transport -55 +60 °C • during strage -55 +60 °C	General technical data	
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 68 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 40 V • between main and auxiliary circuit 50 // 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 <th>size of overload relay</th> <th>SO</th>	size of overload relay	SO
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networks with grounded star point 440 V • between auxiliary and auxiliary circuit 440 V • between main and auxiliary circuit 440 V • between 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 Ex II (2) GD reference code according to IEC 81346-2 F Substance Prohibitance (Date) 10/01/2009 Ambient conditions 2000 m installation altitude at height above sea level maximum 2 000 m • during operation -55 +80 °C • during transport -55 +80 °C • during transport -95 % Main circuit 3 number of poles for main current circuit 3 adjustable current response value current of the current- 690 V erated value 690 V <	surge voltage resistance rated value	6 kV
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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 storage -55 +80 °C • during transport -55 +80 °C Main circuit -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 690 V • at AC-3e rated value maximum 690 V • at AC-3e rated value 690 V • operating frequency rated value 50 60 Hz	shock resistance according to IEC 60068-2-27	8g / 11 ms
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Substance Prohibitance (Date) 10/01/2009 Ambient conditions 2 000 m ambient temperature - • during operation -40 +70 °C • during storage -55 +80 °C • during transport -55 +80 °C temperature compensation -40 +70 °C relative humidity during operation -40 +60 °C mumber of poles for main current circuit 3 adjustable current response value current of the current- dependent overload release 3 operating voltage 32 A • rated value 690 V • at AC-3e rated value maximum 690 V • at AC-3e rated value 690 V • at AC-3e rated value 690 V • operating frequency rated value 690 V	certificate of suitability according to ATEX directive 2014/34/EU	DMT 98 ATEX G 001
Ambient conditions 2 000 m 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-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	reference code according to IEC 81346-2	F
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-dependent overload release 27 32 A operating voltage 690 V • at AC-3e rated value maximum 690 V • at AC-3e rated value 690 V • operating frequency rated value 50 60 Hz	Substance Prohibitance (Date)	10/01/2009
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• during operation-40 +70 °C• during storage-55 +80 °C• during transport-55 +80 °C• temperature compensation-40 +60 °Crelative humidity during operation10 95 %Main circuit27 32 Anumber of poles for main current circuit3adjustable current response value current of the current- dependent overload release690 Voperating voltage690 V• at AC-3e rated value maximum690 Voperating frequency rated value50 60 Hz	installation altitude at height above sea level maximum	2 000 m
• 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 27 32 A operating voltage 690 V • at AC-3e rated value maximum 690 V • at AC-3e rated value maximum 690 V	ambient temperature	
• 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 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 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 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 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 690 V • rated value 690 V • at AC-3e rated value maximum 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 %
adjustable current response value current of the current- 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	Main circuit	
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 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	operational current at AC-3e at 400 V rated value	32 A
operating power	operating power	

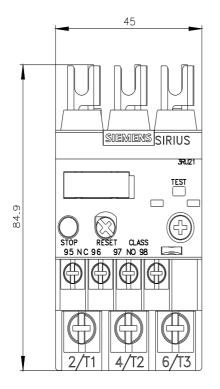
• at AC-3	
— at 400 V rated value	15 kW
— at 500 V rated value	18.5 kW
— at 690 V rated value	30 kW
• at AC-3e	
— at 400 V rated value	15 kW
— at 500 V rated value	18.5 kW
— at 690 V rated value	30 kW
Auxiliary circuit	
design of the auxiliary switch	integrated
number of NC contacts for auxiliary contacts	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
• at 125 V	0.22 A
• at 220 V	0.11 A
contact rating of auxiliary contacts according to UL	B600 / R300
Ducto ative and manitaring functions	
Protective and monitoring functions	
trip class	CLASS 10
trip class design of the overload release	CLASS 10 thermal
trip class	
trip class design of the overload release	
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 32 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 32 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 32 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 32 A 32 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 32 A 32 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 32 A 32 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 32 A 32 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 32 A 32 A 32 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 32 A 32 A 32 A fuse gG: 6 A, quick: 10 A any Contactor mounting 85 mm 45 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	thermal 32 A 32 A 32 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 depth Connections/ Terminals	thermal 32 A 32 A 32 A fuse gG: 6 A, quick: 10 A any Contactor mounting 85 mm 45 mm 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 depth	thermal 32 A 32 A 32 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 control circuit type of electrical connection • for main current circuit	thermal 32 A 32 A 32 A 32 A any Contactor mounting 85 mm 45 mm 85 mm No Ring cable lug connection
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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	thermal 32 A 32 A 32 A 32 A any Contactor mounting 85 mm 45 mm 85 mm No Ring cable lug connection
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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 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 	thermal 32 A 32 A 32 A 32 A 32 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 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 	thermal 32 A 32 A 32 A 32 A 32 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 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 or auxiliary and control circuit arrangement of electrical connectors for main current circuit tightening torque of or main contacts for ring cable lug of or auxiliary contacts for ring cable lug	thermal 32 A 32 A 32 A 32 A 32 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 • for main current circuit • for auxiliary and control circuit arrangement of electrical connectors for main current circuit tightening torque • for auxiliary contacts for ring cable lug • outer diameter of the usable ring cable lug maximum	thermal 32 A 32 A 32 A 32 A 32 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
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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 auxiliary contacts for ring cable lug • outer diameter of the usable ring cable lug maximum	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 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

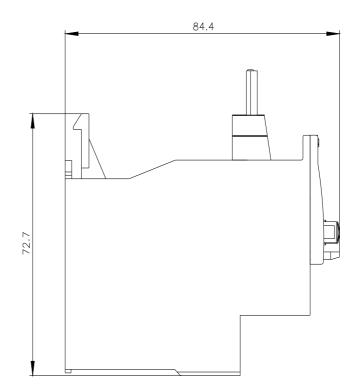
• for main contacts		M4		
 of the auxiliary and control contacts 		M3		
Safety related data				
failure rate [FIT] with low demand rate acco	rding to SN 31920	50 FIT		
MTTF with high demand rate		2 280 a		
T1 value for proof test interval or service life 61508	e according to IEC	20 a		
protection class IP on the front accordin	g to IEC 60529	IP00		
Display				
display version for switching status		Slide switch		
Certificates/ approvals				
General Product Approval			For use in hazardous	locations
Confirmation	(U) u	EHC	IECE×	K ATEX
Declaration of Conformity	Test Certificate	9 5	Marine / Shipping	
UK CA EG-Konf.	<u>Special Test Ce</u> <u>ate</u>	ertific- <u>Type Test Certific-</u> ates/Test Report	ABS	
Marine / Shipping				other
	PRS	RINA	RMRS	<u>Confirmation</u>
Railway				

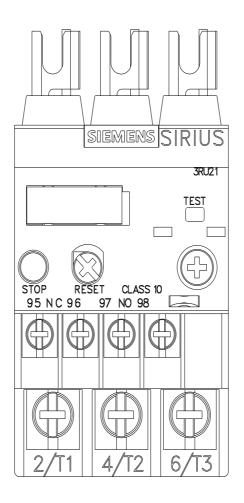
Vibration and Shock

urther info	
	as decided to exit the Russian market (see here). s.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business
Siemens is Please con	working on the renewal of the current EAC certificates. act your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to nt market (other than the sanctioned EAEU member states Russia or Belarus).
	n on the packaging ort.industry.siemens.com/cs/ww/en/view/109813875
	n- and Downloadcenter (Catalogs, Brochures,) .siemens.com/ic10
	all (Online ordering system) industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RU2126-4EJ0
Cax online	generator rt.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RU2126-4EJ0
	upport (Manuals, Certificates, Characteristics, FAQs,) ort.industry.siemens.com/cs/ww/en/ps/3RU2126-4EJ0
	base (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros,) automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RU2126-4EJ0⟨=en
	stic: Tripping characteristics, I²t, Let-through current ort.industry.siemens.com/cs/ww/en/ps/3RU2126-4EJ0/char
	aracteristics (e.g. electrical endurance, switching frequency) automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RU2126-4EJ0&objecttype=14&gridview=view1

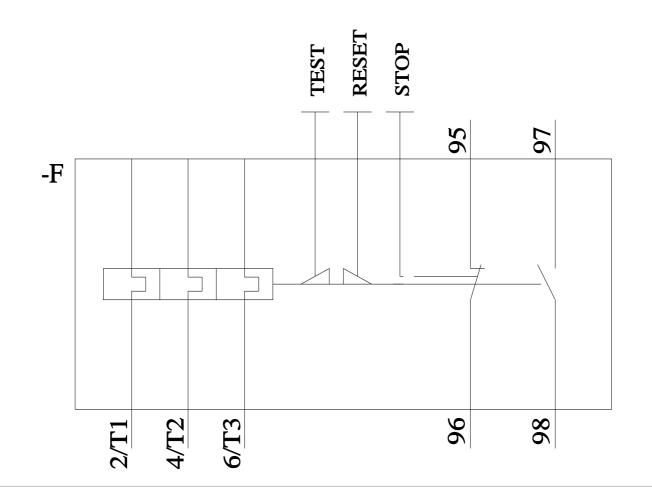
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