SIEMENS

Data sheet

3RU2126-1KJ0



Overload relay 9.0...12.5 A Thermal For motor protection Size S0, Class 10 Contactor mounting Main circuit: Ring cable lug Auxiliary circuit: ring cable lug Manual-Automatic-Reset

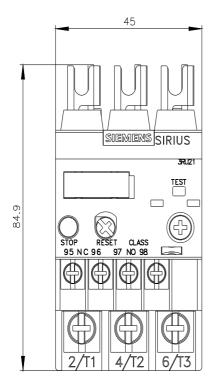
product brand name SIRUS product designation thermal overload relay product type designation 3RU2 Central technical data size of overload relay size of overload relay S0 size of overload relay S0 size of overload relay S0 overload state S0 size of consistance rated value S00 V sarge voltage resistance rated value S00 V maximum permissible voltage for protective separation in KV meabuliary and auxiliary circuit 440 V • between main and auxiliary circuit 440 V • between c				
product type designation 3RU2 General technical data size of overload relay 80 size of overload relay 80 size of overload relay 80 size of contactor can be combined company-specific 50 power loss [W] for rated value of the current at AC in hot operating state 6.6 W • per pole 2.2 W insulation voltage with degree of pollution 3 at AC rated value 690 V surge voltage resistance rated value 68 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 and cuxiliary circuit 440 V • between auxiliary cording 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 EC 81366-2 F Su	product brand name	SIRIUS		
General technical data 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 6.6 W • per pole 2.2 W insulation voltage with degree of pollution 3 at AC rated value 6 kV surge voltage resistance rated value 6 kV maximum permissible voltage for protective separation in networks with grounded star point 440 V • between auxiliary circuit 440 V • between main and auxiliary circuit 440 V • between diagonal to ACEX directive 2014/34/EU DMT 98 ATEX G 001 reference code according to ATEX directive 2014/34/EU DMT 98 ATEX G 001 reference code according to EEX directive 2014/34/EU MT 98 ATEX G 001 Installation altitude at h	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 operating state 6.6 W • per pole 2.2 W insulation voltage with degree of pollution 3 at AC rated value 690 V surge voltage resistance rated value 690 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 represented to a cording to ATEX directive 2014/34/EU DMT 98 ATEX G 001 reference code according to ATEX directive 2014/34/EU DMT 98 ATEX G 001 reference code according to IEC 60068-2-27 F Substance Prohibitance (Date) 10/01/2009 Ambient conditions 10/01/2009 installation altitude at height ab	product type designation	3RU2		
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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 installation altitude at height above sea level maximum 2 000 m ambient temperature -40 +70 °C • during operation -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 9 12.5 A	shock resistance according to IEC 60068-2-27	8g / 11 ms		
reference code according to IEC 81346-2 F Substance Prohibitance (Date) 10/01/2009 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 9 12.5 A operating voltage 9 12.5 A	type of protection according to ATEX directive 2014/34/EU	Ex II (2) GD		
Substance Prohibitance (Date) 10/01/2009 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 9 12.5 A operating voltage -12.5 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 • 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- 9 12.5 A operating voltage	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 9 12.5 A	Substance Prohibitance (Date)	10/01/2009		
ambient temperature • during operation • during storage • during storage • during transport • du	Ambient conditions			
• during operation-40 +70 °C• during storage-55 +80 °C• during transport-55 +80 °C• during transport-40 +60 °Crelative humidity during operation10 95 %Main circuit3number of poles for main current circuit3adjustable current response value current of the current- dependent overload release9 12.5 Aoperating voltage	installation altitude at height above sea level maximum	2 000 m		
• during storage • during transport • -55 +80 °C • during transport • during transport	ambient temperature			
	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 9 12.5 A operating voltage -40 +60 °C	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 9 12.5 A operating voltage 9 12.5 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 9 12.5 A operating voltage 9 12.5 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 9 12.5 A operating voltage 9 12.5 A	relative humidity during operation	10 95 %		
adjustable current response value current of the current- dependent overload release 9 12.5 A operating voltage 12.5 A	Main circuit			
dependent overload release operating voltage	number of poles for main current circuit	3		
	· ·	9 12.5 A		
	operating voltage			
rated value 690 V	rated value	690 V		
• at AC-3e rated value maximum 690 V	• at AC-3e rated value maximum	690 V		
operating frequency rated value 50 60 Hz	operating frequency rated value	50 60 Hz		
operational current rated value 12.5 A	operational current rated value	12.5 A		
operational current at AC-3e at 400 V rated value 12.5 A	operational current at AC-3e at 400 V rated value	12.5 A		
operating power	operating power			

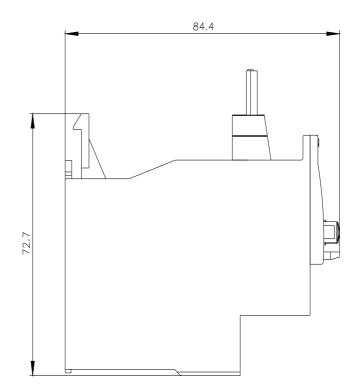
• at AC-3				
— at 400 V rated value	5.5 kW			
— at 500 V rated value	7.5 kW			
— at 690 V rated value	7.5 kW			
• at AC-3e				
— at 400 V rated value	5.5 kW			
— at 500 V rated value	7.5 kW			
— at 690 V rated value	7.5 kW			
Auxiliary circuit				
design of the auxiliary switch	integrated			
number 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			
	3 A			
• at 125 V				
• at 230 V	2 A			
• at 400 V	1A 0.75 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			
Protective and monitoring 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 12.5 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 12.5 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 12.5 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 12.5 A 12.5 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 12.5 A 12.5 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 12.5 A 12.5 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 fastening method	thermal 12.5 A 12.5 A 12.5 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	thermal 12.5 A 12.5 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 12.5 A 12.5 A 12.5 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	thermal 12.5 A 12.5 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 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 	thermal 12.5 A 12.5 A 12.5 A 12.5 A any Contactor mounting 85 mm 45 mm 85 mm No			
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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 of or auxiliary and control circuit arrangement of electrical connectors for main current circuit ightening torque of or auxiliary contacts for ring cable lug outer diameter of the usable ring cable lug maximum design of screwdriver shaft	thermal 12.5 A 12.5 A 12.5 A 12.5 A 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 of or auxiliary and control circuit arrangement of electrical connectors for main current circuit ightening torque of or auxiliary contacts for ring cable lug outer diameter of the usable ring cable lug maximum	thermal 12.5 A 12.5 A 12.5 A 12.5 A 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			

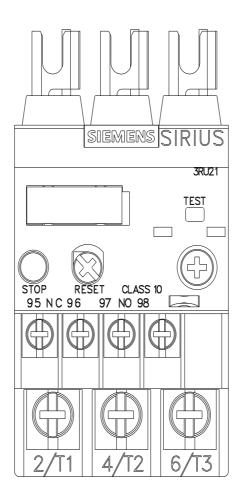
 for main contacts 		M4			
 of the auxiliary and control contacts 		M3			
Safety related data					
failure rate [FIT] with low demand rate according	to SN 31920	50 FIT			
MTTF with high demand rate		2 280 a			
T1 value for proof test interval or service life accord 61508	ording to IEC	20 a			
protection class IP on the front according to I	EC 60529	IP00			
Display					
display version for switching status		Slide switch	1		
Certificates/ approvals					
General Product Approval				For use in hazardous	locations
Confirmation ccc	(UL) u		EHC	ATEX	IECE×
Declaration of Conformity	Test Certificate	es		Marine / Shipping	
CE UK EG-Konf. CA	<u>Special Test Ce</u> ate	ertific- <u>Ty</u> at	<u>pe Test Certific-</u> es/Test Report	ABS	BUREAU VERITAS
Marine / Shipping					other
Lloyd's Register	PRS		RINA	RMRS RMRS	<u>Confirmation</u>
Railway					

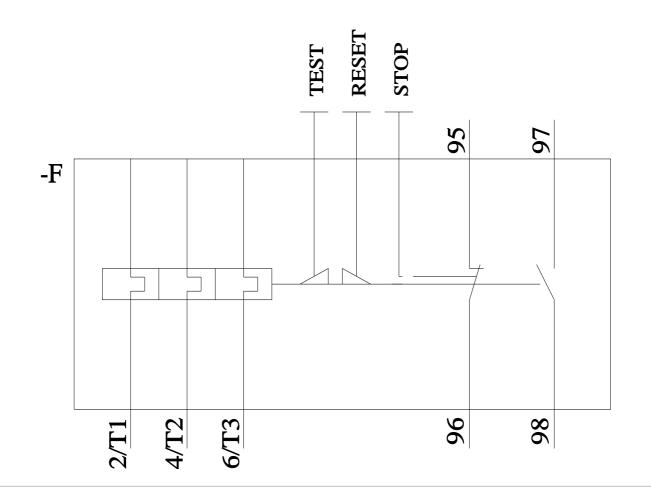
Vibration and Shock

urther information	
Siemens has decide	ed to exit the Russian market (see here).
Siemens is working Please contact your I	on the renewal of the current EAC certificates. ocal Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to a (other than the sanctioned EAEU member states Russia or Belarus).
Information on the phttps://support.indust	oackaging ry.siemens.com/cs/ww/en/view/109813875
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