SIEMENS

Data sheet

3RU2116-1FC0



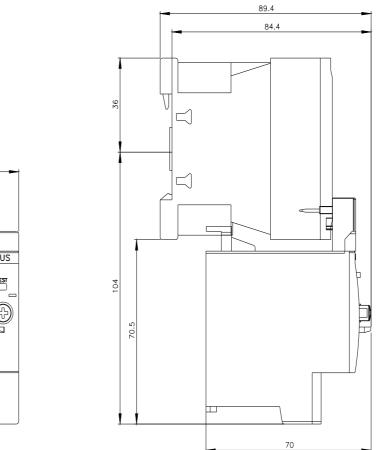
Overload relay 3.5...5.0 A Thermal For motor protection Size S00, Class 10 Contactor mounting Main circuit: Spring-type terminal Auxiliary circuit: spring-type terminal Manual-Automatic-Reset

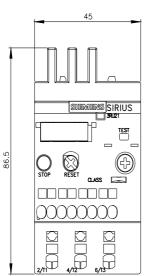
product brand name SIRUS product displantion thermal overload relay product type designation SRU2 General technical data size of contactor can be combined company-specific S00 size of contactor can be combined company-specific S00 S00 power loss [W] for rated value of the current at AC in hot operating state 6.6 W • per pole 2.2 W S00 surge vortage resistance rated value 66 V S00 V surge vortage resistance rated value 60 V S00 V surge vortage resistance rated value 60 V S00 V surge vortage resistance rated value 60 V S00 V surge vortage resistance rated value 60 V S00 V surge vortage resistance rated value 60 V S00 V surge vortage resistance rated value 60 V S00 V surge vortage resistance rated value 440 V V • between auxiliary and auxiliary circuit 440 V V • between auxiliary and auxiliary circuit 440 V V stock resistance according to IEC 60068-227 8g/ 11 ms		
product type designation 3RU2 General technical data		
General technical data 500 size of overload relay 500 size of contactor can be combined company-specific 500 opper 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 600 V surge voltage resistance rated value 600 V • between auxiliary and auxiliary circuit 440 V • between main and auxiliary circuit 440 V • between auxiliary and current 200 C reference code according to ATEX directive 2014/34/EU Exill (2) GD Certificate of suitability according to ATEX directive 2014/34/EU Exil (2) GD Ambient conditions 100/12009 Ambient conditions 100/12009 Instalation altifued at height above sea level maximum 2000 m aduring storage -55 480 °C • during storage -55		
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maximum permissible voltage for protective separation in http://microscolean.com/docscolean.com	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 ICE 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 transport -55 +80 °C temperature compensation -40 +70 °C • during transport -55 +80 °C temperature compensation -40 +70 °C relative humidity during operation 10 95 % Main circuit 3 adjustable current response value current of the current-dependent overload release 690 V operating voltage 690 V • at AC-3e rated value <	 between auxiliary and auxiliary circuit 	440 V
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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 • during operation -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 operating voltage 690 V • at AC-3e rated value 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 5A	type of protection according to ATEX directive 2014/34/EU	Ex II (2) GD
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• during storage-55 +80 °C• during transport-55 +80 °C• temperature compensation-40 +60 °Crelative humidity during operation10 95 %Main circuit3number of poles for main current circuit3adjustable current response value current of the current- dependent overload release3.5 5 Aoperating voltage690 V• at AC-3e rated value maximum690 Voperating frequency rated value50 60 Hzoperational current at AC-3e at 400 V rated value5 A	ambient temperature	
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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 3.5 5 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 5 A operational current at AC-3e at 400 V rated value 5 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 3.5 5 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 5 A 	during transport	-55 +80 °C
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adjustable current response value current of the current- 3.5 5 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 5 A	Main circuit	
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• at AC-3e rated value maximum 690 V operating frequency rated value 50 60 Hz operational current rated value 5 A operational current at AC-3e at 400 V rated value 5 A	operating voltage	
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operational current rated value 5 A operational current at AC-3e at 400 V rated value 5 A	• at AC-3e rated value maximum	690 V
operational current at AC-3e at 400 V rated value 5 A	operating frequency rated value	50 60 Hz
·	operational current rated value	5 A
operating power	operational current at AC-3e at 400 V rated value	5 A
	operating power	

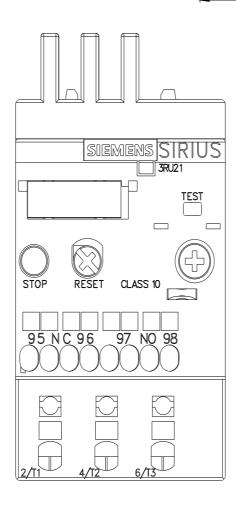
-+ 10.0	
• at AC-3	
— at 400 V rated value	1.5 kW
— at 500 V rated value	2.2 kW
— at 690 V rated value	4 kW
• at AC-3e	
— at 400 V rated value	1.5 kW
— at 500 V rated value	2.2 kW
— at 690 V rated value	4 kW
Auxiliary circuit	
design of the auxiliary switch	integrated
number of NC contacts for auxiliary 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 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
Distantive and monitoring functions	
Protective and monitoring functions	
trip class	CLASS 10
	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 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 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 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 5 A 5 A
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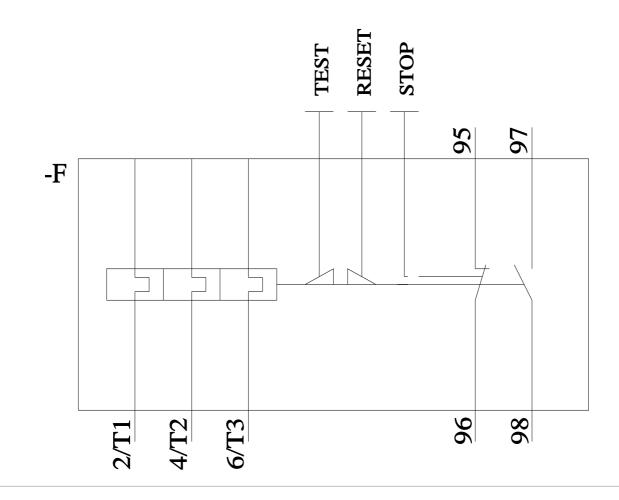
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Further characteristics (e.g. electrical endurance, switching frequency) http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RU2116-1FC0&objecttype=14&gridview=view1









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