SIEMENS

Data sheet

3RU2116-0DB0



Overload relay 0.22...0.32 A Thermal For motor protection Size S00, Class 10 Contactor mounting Main circuit: Screw Auxiliary circuit: Screw Manual-Automatic-Reset

product brand name SIRIUS product brand name SIRUS ganard technical data stace of vertoxical data size of contactor can be combined company-specific S00 size of contactor can be combined company-specific S00 power loss [W] for rated value of the current at AC in hot operating state 4.8 W • per pole 1.6 W insulation voltage with degree of pollution 3 at AC rated value 680 V surge voltage resistance rated value 68V • between auxiliary and auxiliary circuit 440 V • between auxiliary and auxiliary circuit 440 V • between main and auxiliary circuit 440 V • between according to ATEX directive 2014/34/EU Ext II (2) GD Certificate of suitabitity according to ATE	and the formed and the	
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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 0.22 0.32 A operating voltage 690 V • rated value 690 V • at AC-3e rated value maximum 690 V operating frequency rated value 50 60 Hz operational current rated value 0.32 A	during transport	-55 +80 °C
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operational current rated value 0.32 A operational current at AC-3e at 400 V rated value 0.32 A	• at AC-3e rated value maximum	690 V
operational current at AC-3e at 400 V rated value 0.32 A	operating frequency rated value	50 60 Hz
	operational current rated value	0.32 A
	operational current at AC-3e at 400 V rated value	0.32 A
	operating power	

• at AC-3					
— at 400 V rated value	0.09 kW				
— at 500 V rated value	0.12 kW				
— at 690 V rated value	0.12 kW				
• at AC-3e					
— at 400 V rated value	0.09 kW				
— at 500 V rated value	0.12 kW				
— at 690 V rated value	0.12 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	1A				
• 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					
	CLASS 10				
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 full-load current (FLA) for 3-phase AC motor • at 480 V rated value	thermal 0.32 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				
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 0.32 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 0.32 A 0.32 A				
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for AWG cables tightening torque ofor main contacts ofor auxiliary cont design of screwdriver size of the screwdriver	ded with core end process for auxiliary contacts s with screw-type terminal acts with screw-type term shaft or tip of the connection screw	s	2x (0.5 1.5 m 2x (0.5 1.5 m 2x (20 16), 2 0.8 1.2 N·m 0.8 1.2 N·m Diameter 5 6 Pozidriv PZ 2 M3 M3	m²), 2x (0.75 x (18 14)			
MTTF with high dema			50 FIT 2 280 a				
61508	nterval or service life acco		20 a				
protection class IP on	the front according to I	EC 60529	IP20				
touch protection on t Display	ne front according to IEC	C 60529	finger-safe, for	vertical contact	from the front		
display version for swite	ching status		Slide switch				
Certificates/ approvals							
General Product App	roval				For use in hazardous	locations	
<u>Confirmation</u>		U	E	AC	IECEx	ATEX	
Declaration of Confo	mity	Test Certificate	95		Marine / Shipping		
CE EG-Konf.	UK CA	<u>Special Test Ce</u> <u>ate</u>		est Certific- est Report	ABS	BUREAU VERITAS	
Marine / Shipping						other	
	Lloyd's Register urs	PRS	(RINA	KMRS	<u>Confirmation</u>	
other	Railway						
UDE VDE	Vibration and Shock						
Further information Siemens has decided	to exit the Russian mar	ket (see here).					
https://press.siemens.c Siemens is working o Please contact your loc EAC relevant market (c Information on the pa https://support.industry Information- and Dow https://www.siemens.cc Industry Mall (Online	Siemens is working on the renewal of the current EAC certificates. Please contact 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 an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus). Information on the packaging https://support.industry.siemens.com/cs/ww/en/view/109813875 Information- and Downloadcenter (Catalogs, Brochures,) https://www.siemens.com/ic10 Industry Mall (Online ordering system) https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RU2116-0DB0						
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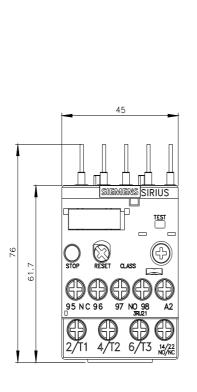
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

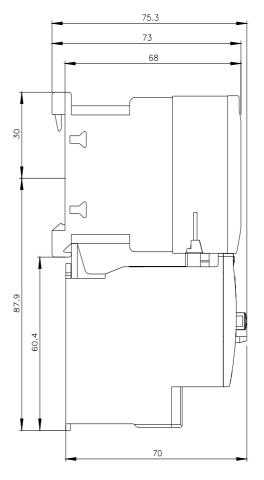
https://support.industry.siemens.com/cs/ww/en/ps/3RU2116-0DB0

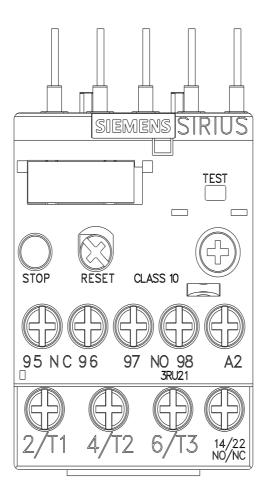
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RU2116-0DB0&lang=en

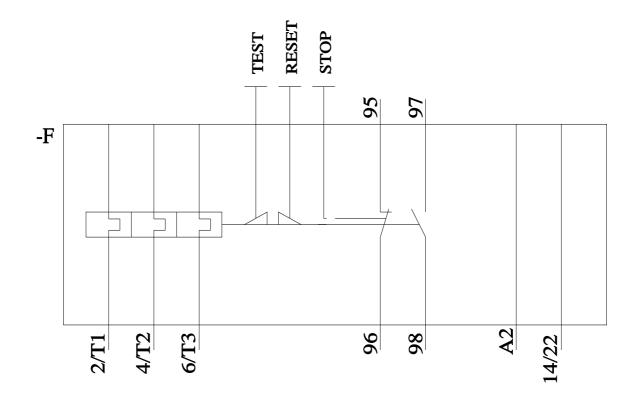
Characteristic: Tripping characteristics, I²t, Let-through current https://support.industry.siemens.com/cs/ww/en/ps/3RU2116-0DB0/char

Further characteristics (e.g. electrical endurance, switching frequency) http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RU2116-0DB0&objecttype=14&gridview=view1









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