SIEMENS

Data sheet

3RU2136-4GB0

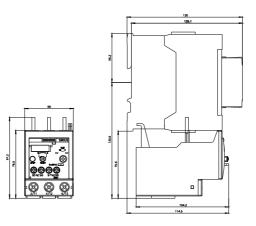


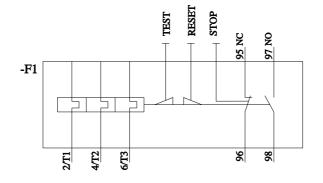
Overload relay 36...45 A Thermal For motor protection Size S2, Class 10 Contactor mounting Main circuit: Screw Auxiliary circuit: Screw Manual-Automatic-Reset

product brand name	SIRIUS				
product designation	thermal overload relay				
product designation	3RU2				
General technical data					
	\$2				
size of overload relay	52 S2				
size of contactor can be combined company-specific power loss [W] for rated value of the current at AC in hot					
operating state	15.6 W				
• per pole	5.2 W				
insulation voltage with degree of pollution 3 at AC rated value	690 V				
surge voltage resistance rated value	6 kV				
maximum permissible voltage for safe isolation in networks with grounded star point					
 between auxiliary and auxiliary circuit 	415 V				
 between auxiliary and auxiliary circuit 	415 V				
 between main and auxiliary circuit 	690 V				
 between main and auxiliary circuit 	690 V				
shock resistance acc. 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 acc. to IEC 81346-2	F				
Substance Prohibitance (Date)	15.10.2014 00:00:00				
Ambient conditions					
installation altitude at height above sea level maximum	2 000 m				
ambient temperature					
 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					
number of poles for main current circuit	3				
adjustable current response value current of the current-dependent overload release	36 45 A				
operating voltage					
 rated value 	690 V				
 at AC-3 rated value maximum 	690 V				
operating frequency rated value	50 60 Hz				

operational current rated value	45 A			
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			
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			
design of the miniature circuit breaker for short-circuit protection of the auxiliary switch required	6A (SCC less than equal to 0.5 kA; U less than equal to 260V)			
contact rating of auxiliary contacts according to UL	B600 / R300			
Protective and monitoring functions	500077000			
trip class	CLASS 10			
design of the overload release	thermal			
UL/CSA ratings	ulenna			
full-load current (FLA) for 3-phase AC motor				
at 480 V rated value	45 A			
at 600 V rated value	45 A 45 A			
Short-circuit protection				
 design of the fuse link for short-circuit protection of the auxiliary switch 	fuse gG: 6 A, quick: 10 A			
required				
Installation/ mounting/ dimensions				
mounting position	any			
fastening method	Contactor mounting			
height	90 mm			
width	55 mm			
depth	105 mm			
Connections/ Terminals				
product component removable terminal for auxiliary and control circuit	No			
type of electrical connection				
for main current circuit	screw-type terminals			
for auxiliary and control circuit	screw-type terminals			
arrangement of electrical connectors for main current circuit	Top and bottom			
type of connectable conductor cross-sections				
for main contacts				
— solid or stranded	2x (1 35 mm²), 1x (1 50 mm²)			
 — finely stranded with core end processing 	2x (1 25 mm ²), 1x (1 35 mm ²)			
at AWG cables for main contacts	2x (18 2), 1x (18 1)			
type of connectable conductor cross-sections				
 for auxiliary contacts 				
— solid or stranded	2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²)			
 — finely stranded with core end processing 	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)			
 at AWG cables for auxiliary contacts 	2x (20 16), 2x (18 14)			
tightening torque				

e for main contr	ate with corow type torn	ainala	2 1	5 Num			
	acts with screw-type tern		3 4.5 N·m				
	ontacts with screw-type t		0.8 1.2 N·m Diameter 5 6 mm				
	bigsign of screwdriver shaft Diameter 5 6 mm ze of the screwdriver tip Pozidriv PZ 2						
	•	row	1 02101				
 design of the thread of the connection screw for main contacts 			M6				
 of the auxiliary and control contacts 			M3				
Safety related data		_	IVIO				
T1 value for proof test interval or service life acc. to			20 y				
	IEC 61508 protection class IP on the front acc. to IEC 60529			IP20			
	n the front acc. to IEC			anto for vortical con	I contact from the front		
· ·		00323	iiigei-	sale, for vertical con			
Display		_	Olidaa	witch	_	_	
display version for s	Ŭ	_	Slide s	Switch			
Certificates/ approva					_		
General Product A	Approval				For use in hazardo	ous locations	
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Declaration of Conformity	Test Certificates			Marine / Shipping			
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Marine / Shipping					other	Railway	
PRS	RINA	RMRS RMRS		DNV-GL ENVIL CORNE	<u>Confirmation</u>	<u>Special Test Certific-</u> <u>ate</u>	
Further information 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=3RU2136-4GB0							
Cax online generator http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RU2136-4GB0 Service&Support (Manuals, Certificates, Characteristics, FAQs,) https://support.industry.siemens.com/cs/ww/en/ps/3RU2136-4GB0							
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros,) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RU2136-4GB0⟨=en							
Characteristic: Tripping characteristics, I ² t, Let-through current <u>https://support.industry.siemens.com/cs/ww/en/ps/3RU2136-4GB0/char</u> Further characteristics (e.g. electrical endurance, switching frequency) <u>http://www.enterstice.com/bilddb/index.com/cities/sectble2DU2126_4CB08.chiesttype=148.griduiou=signut</u>							
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RU2136-4GB0&objecttype=14&gridview=view1							





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12/15/2020 🖸