SIEMENS

Data sheet

3RU2136-4HB0

Overload relay 40... 50 A for motor protection Size S2, CLASS 10 Contactor mounting Main circuit: Screw Auxiliary circuit: Screw Manual-Automatic-Reset



Figure similar

	_			
Product brand name	SIRIUS			
Product designation	thermal overload relay			
Product type designation	3RU2			
General technical data				
Size of overload relay	S2			
Size of contactor can be combined company-specific	S2			
Power loss [W] total typical	11 W			
Insulation voltage with degree of pollution 3 rated	690 V			
value				
Surge voltage resistance rated value	6 kV			
maximum permissible voltage for safe isolation				
 in networks with grounded star point between 	415 V			
auxiliary and auxiliary circuit				
 in networks with grounded star point between 	415 V			
auxiliary and auxiliary circuit				
 in networks with grounded star point between 	690 V			
main and auxiliary circuit				

 in networks with grounded star point between 	690 V			
main and auxiliary circuit				
Protection class IP				
• on the front	IP20			
• of the terminal	IP00			
Shock resistance				
• acc. to IEC 60068-2-27	8g / 11 ms			
Recovery time				
 after overload trip with automatic reset typical 	10 min			
 after overload trip with remote-reset 	10 min			
 after overload trip with manual reset 	10 min			
Type of protection	Ex e			
Certificate of suitability relating to ATEX	DMT 98 ATEX G 001			
Protection against electrical shock	finger-safe when touched vertically from front acc. to IEC 60529			
Equipment marking acc. to DIN EN 81346-2	F			
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			
A				
Main circuit Number of poles for main current circuit	3			
Adjustable pick-up value current of the current-	40 50 A			
dependent overload release				
Operating voltage				
rated value	690 V			
 at AC-3 rated value maximum 	690 V			
Operating frequency rated value	50 60 Hz			
Operating current rated value	50 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				

3 A			
3 A			
3 A			
3 A			
2 A			
1 A			
0.22 A			
A			
A			
SCC less than equal to 0.5 kA; U less than equal to 260V)			
) / R300			
SS 10			
nal			
gG: 6 A, quick: 10 A			
t mounting			
m			
m			
nm			
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n			
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m m			

10 mm
0 mm
10 mm
10 mm
10 mm
10 mm
0 mm
10 mm
10 mm
10 mm

Connections/Terminals					
Product function					
 removable terminal for auxiliary and control circuit 	No				
Type of electrical connection					
 for main current circuit 	screw-type terminals				
 for auxiliary and control current circuit 	screw-type terminals				
Arrangement of electrical connectors for main current circuit	Top and bottom				
Type of connectable conductor cross-sections					
 for main contacts 					
— single or multi-stranded	2x (1 35 mm²), 1x (1 50 mm²)				
 — finely stranded with core end processing 	2x (1 25 mm²), 1x (1 35 mm²)				
 at AWG conductors for main contacts 	2x (18 2), 1x (18 1)				
Type of connectable conductor cross-sections					
 for auxiliary contacts 					
— single or multi-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 conductors for auxiliary contacts 	2x (20 16), 2x (18 14)				
Tightening torque					
 for main contacts with screw-type terminals 	3 4.5 N·m				
 for auxiliary contacts with screw-type terminals 	0.8 1.2 N·m				
Design of screwdriver shaft	Diameter 5 6 mm				
Size of the screwdriver tip	Pozidriv PZ 2				
Design of the thread of the connection screw					
 for main contacts 	M6				
 of the auxiliary and control contacts 	M3				
Safety related data					

T1 value for proof test interval or service life acc. to IEC 61508

Display					
Display version					
• for switching status Slide s		e switch			
Certificates/approva	als				
General Product	General Product Approval		For use in hazardous locations		
	SP:	(UL)	EHC	< x x	IECEx
CCC	CSA	UL		ATEX	IECEx
Declaration of Conformity	Test Certificates	1	Marine / Shipp	bing	
CE	<u>Type Test</u> Certificates/Test <u>Report</u>	Special Test Certificate	ALCAN BURE	Lloyd's Register	
EG-Konf.			ABS	LRS	PRS
Marine / Shippin	g		other		
RINT	Contraction of the second	RSPROVED PROA	Confirmation		

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Further information

Information- and Downloadcenter (Catalogs, Brochures,...) http://www.siemens.com/industrial-controls/catalogs

Industry Mall (Online ordering system)

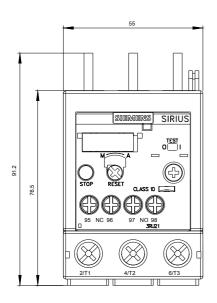
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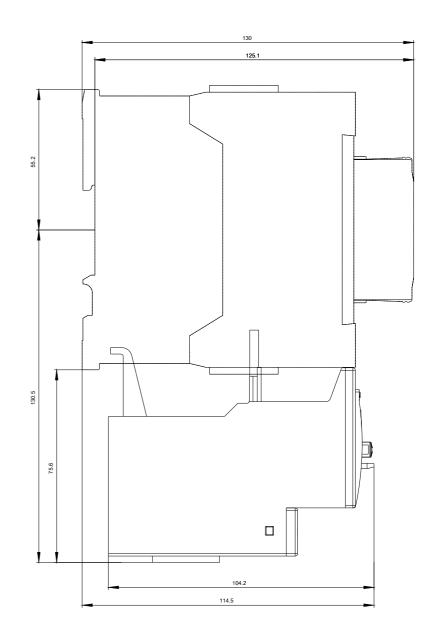
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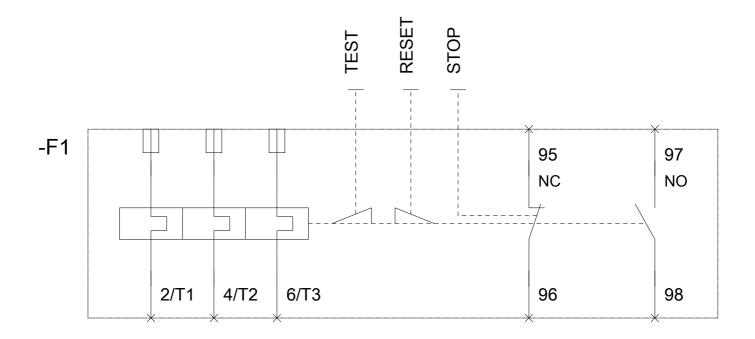
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RU2136-4HB0

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3RU2136-4HB0

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RU2136-4HB0&lang=en







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