



Overload relay 18...25 A For motor protection Size S2, Class 10 Contactor mounting Main circuit: Screw terminal Auxiliary circuit: Screw terminal Manual-Automatic-Reset !!! Phased-out product !!! Successor is SIRIUS 3RU2 Preferred successor type is >>3RU2136-4DB0<<

<b>product brand name</b>	SIRIUS
<b>product designation</b>	thermal overload relay
<b>General technical data</b>	
<b>size of overload relay</b>	S2
<b>size of contactor can be combined company-specific</b>	S2
power loss [W] for rated value of the current at AC in hot operating state	10.5 W
• per pole	3.5 W
insulation voltage with degree of pollution 3 at AC rated value	690 V
<b>surge voltage resistance rated value</b>	6 kV
protection class IP on the front	IP20
<b>shock resistance</b>	8g / 10 ms
<b>type of protection</b>	DMT 98 ATEX G 001
<b>reference code acc. to IEC 81346-2</b>	F
Substance Prohibitance (Date)	01.07.2006 00:00:00
<b>Ambient conditions</b>	
installation altitude at height above sea level maximum	2 000 m
<b>ambient temperature</b>	
• during operation	-20 ... +70 °C
• during storage	-55 ... +80 °C
• during transport	-55 ... +80 °C
relative humidity during operation	100 %
<b>Main circuit</b>	
<b>number of poles for main current circuit</b>	3
<b>adjustable current response value current of the current-dependent overload release</b>	18 ... 25 A
operating voltage at AC-3 rated value maximum	690 V
<b>Auxiliary circuit</b>	
<b>number of NC contacts for auxiliary contacts</b>	1
<b>number of NO contacts for auxiliary contacts</b>	1
number of CO contacts for auxiliary contacts	0
<b>operational current of auxiliary contacts at AC-15</b>	
• 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

<ul style="list-style-type: none"> <li>• at 400 V</li> </ul>	1 A
<b>operational current of auxiliary contacts at DC-13</b>	
<ul style="list-style-type: none"> <li>• at 24 V</li> <li>• at 110 V</li> <li>• at 125 V</li> <li>• at 220 V</li> </ul>	1 A 0.22 A 0.22 A 0.11 A
<b>Protective and monitoring functions</b>	
<b>trip class</b>	CLASS 10
<b>Short-circuit protection</b>	
<b>design of the fuse link</b>	
<ul style="list-style-type: none"> <li>• for short-circuit protection of the auxiliary switch required</li> </ul>	fuse gL/gG: 6 A, quick: 10 A
<b>Installation/ mounting/ dimensions</b>	
<b>mounting position</b>	with vertical mounting surface +/-135° rotatable, with vertical mounting surface +/- 45° tiltable to the front and back
<b>fastening method</b>	Contacteur mounting
<b>height</b>	105 mm
<b>width</b>	55 mm
<b>depth</b>	118 mm
<b>required spacing</b>	
<ul style="list-style-type: none"> <li>• with side-by-side mounting               <ul style="list-style-type: none"> <li>— forwards 0 mm</li> <li>— backwards 0 mm</li> <li>— upwards 0 mm</li> <li>— downwards 0 mm</li> <li>— at the side 0 mm</li> </ul> </li> <li>• for grounded parts               <ul style="list-style-type: none"> <li>— forwards 0 mm</li> <li>— backwards 0 mm</li> <li>— upwards 0 mm</li> <li>— at the side 6 mm</li> <li>— downwards 0 mm</li> </ul> </li> <li>• for live parts               <ul style="list-style-type: none"> <li>— forwards 0 mm</li> <li>— backwards 0 mm</li> <li>— upwards 0 mm</li> <li>— downwards 0 mm</li> <li>— at the side 6 mm</li> </ul> </li> </ul>	
<b>Connections/ Terminals</b>	
product function removable terminal for auxiliary and control circuit	No
<b>type of electrical connection</b>	
<ul style="list-style-type: none"> <li>• for main current circuit</li> <li>• for auxiliary and control circuit</li> </ul>	screw-type terminals screw-type terminals
<b>type of connectable conductor cross-sections</b>	
<ul style="list-style-type: none"> <li>• for main contacts               <ul style="list-style-type: none"> <li>— solid 2x (0.75 ... 16 mm²)</li> <li>— stranded 2x (0.75 ... 25 mm²), 0.75 ... 35 mm²</li> <li>— finely stranded with core end processing 2x (0.75 ... 16 mm²), 0.75 ... 25 mm²</li> </ul> </li> <li>• at AWG cables for main contacts 2x (18 ... 3), 1x (18 ... 1)</li> </ul>	
<b>type of connectable conductor cross-sections</b>	
<ul style="list-style-type: none"> <li>• for auxiliary contacts               <ul style="list-style-type: none"> <li>— solid 2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²)</li> <li>— finely stranded with core end processing 2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²)</li> </ul> </li> <li>• at AWG cables for auxiliary contacts 2x (20 ... 16), 2x (18 ... 14)</li> </ul>	
<b>Safety related data</b>	
<b>touch protection against electrical shock</b>	finger-safe
<b>Certificates/ approvals</b>	

## General Product Approval

## For use in hazardous locations



## Declaration of Conformity

## Test Certificates

## Marine / Shipping



Miscellaneous

Type Test  
Certificates/Test  
Report

Special Test  
Certificate



## Marine / Shipping

## other



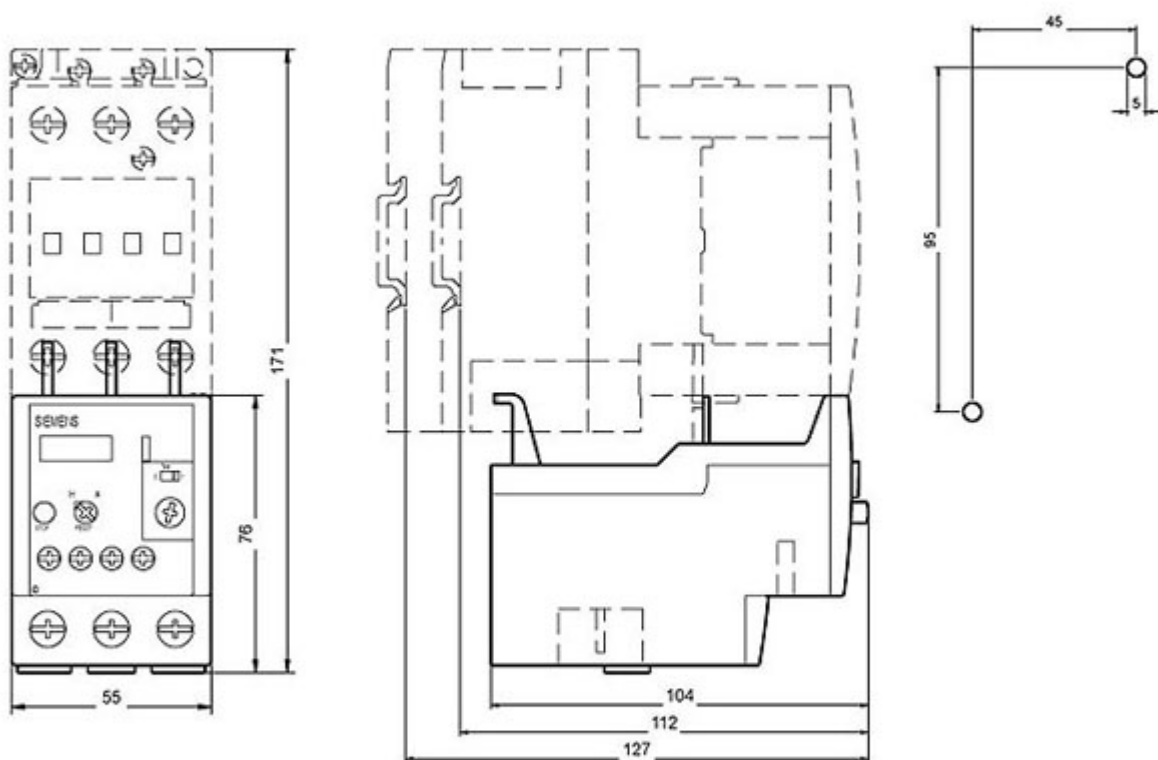
Confirmation

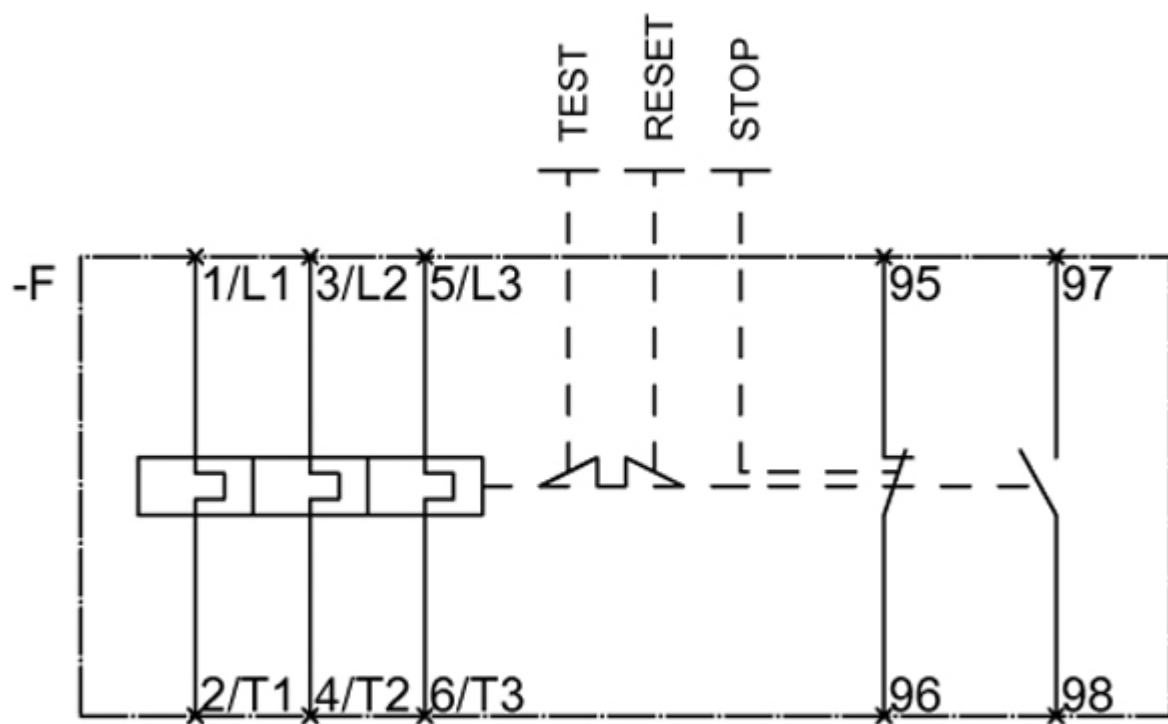
Miscellaneous

## Railway

Special Test Certificate

## Further information





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