



Overload relay 45...63 A For motor protection Size S3, 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 >>3RU2136-4JB0<<

<b>product brand name</b>	SIRIUS
<b>product designation</b>	thermal overload relay

### General technical data

<b>size of overload relay</b>	S3
<b>size of contactor can be combined company-specific</b>	S3
<b>power loss [W] for rated value of the current at AC in hot operating state</b>	17.1 W
<ul style="list-style-type: none"> <li>per pole</li> </ul>	5.7 W
<b>insulation voltage with degree of pollution 3 at AC rated value</b>	1 000 V
<b>surge voltage resistance rated value</b>	8 kV
<b>protection class IP on the front</b>	IP20
<b>shock resistance</b>	8g / 10 ms
<b>type of protection</b>	DMT 98 ATEX G 001
<b>reference code according to IEC 81346-2</b>	F
<b>Substance Prohibitance (Date)</b>	07/01/2006

### Ambient conditions

<b>installation altitude at height above sea level maximum</b>	2 000 m
<b>ambient temperature</b>	
<ul style="list-style-type: none"> <li>during operation</li> <li>during storage</li> <li>during transport</li> </ul>	-20 ... +70 °C -55 ... +80 °C -55 ... +80 °C
<b>relative humidity during operation</b>	100 %

### Main circuit

<b>number of poles for main current circuit</b>	3
<b>adjustable current response value current of the current-dependent overload release</b>	45 ... 63 A

### Auxiliary circuit

<b>number of NC contacts for auxiliary contacts</b>	1
<b>number of NO contacts for auxiliary contacts</b>	1
<b>number of CO contacts for auxiliary contacts</b>	0
<b>operational current of auxiliary contacts at AC-15</b>	
<ul style="list-style-type: none"> <li>at 24 V</li> <li>at 110 V</li> <li>at 120 V</li> <li>at 125 V</li> <li>at 230 V</li> <li>at 400 V</li> </ul>	3 A 3 A 3 A 3 A 2 A 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> </ul>	1 A 0.22 A 0.22 A





[Confirmation](#)



IECEX

For use in hazardous locations	Declaration of Conformity	Test Certificates	Marine / Shipping
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ATEX



EG-Konf.

[Type Test Certificates/Test Report](#)

[Special Test Certificate](#)



ABS



LRS

Marine / Shipping	other	Railway
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[Miscellaneous](#)

[Confirmation](#)

[Special Test Certificate](#)

#### 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=3RU1146-4JB0>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RU1146-4JB0>

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3RU1146-4JB0>

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

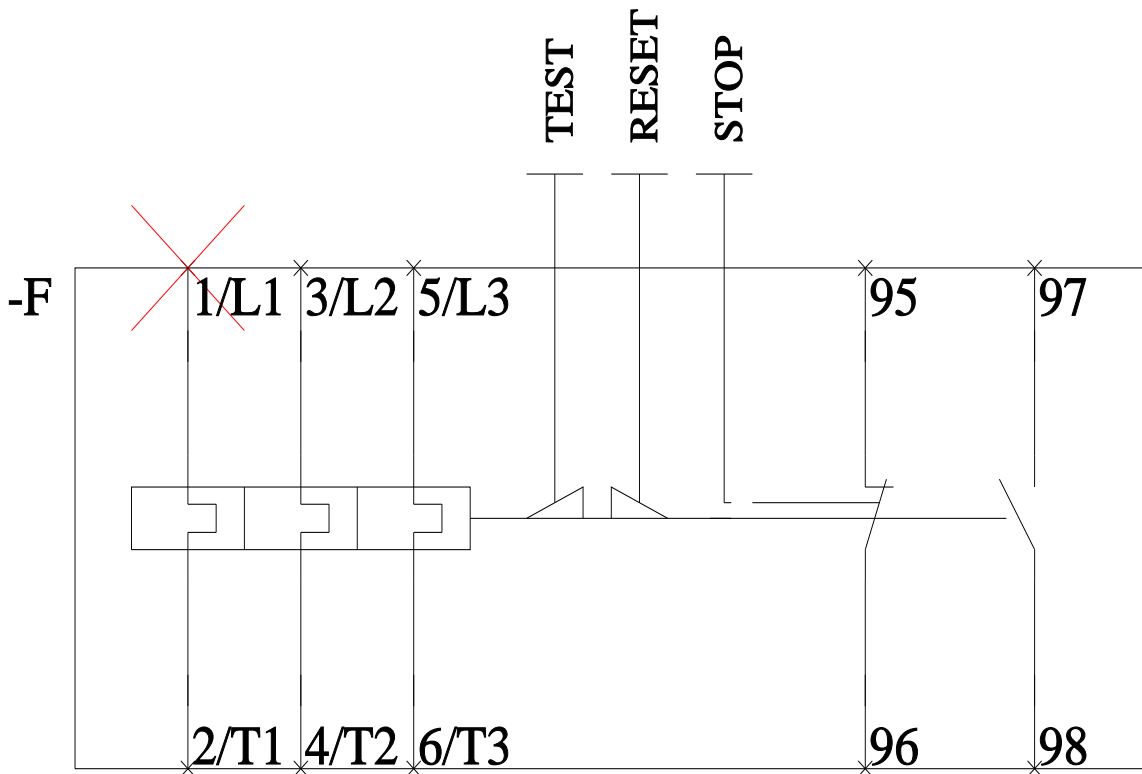
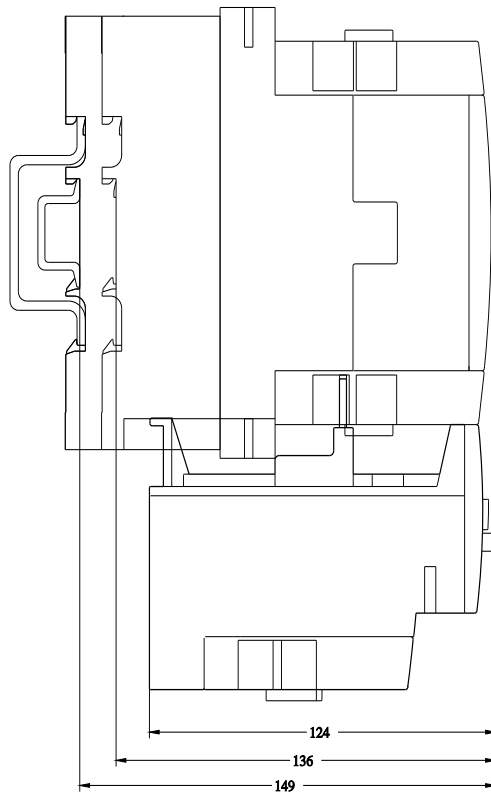
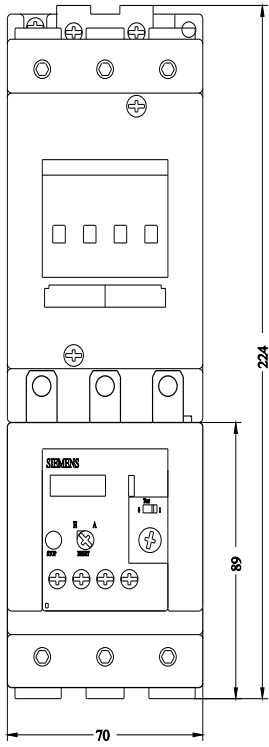
[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RU1146-4JB0&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RU1146-4JB0&lang=en)

Characteristic: Tripping characteristics, I<sub>t</sub>, Let-through current

<https://support.industry.siemens.com/cs/ww/en/ps/3RU1146-4JB0/char>

Further characteristics (e.g. electrical endurance, switching frequency)

<http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RU1146-4JB0&objecttype=14&gridview=view1>



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2/11/2021

