

OVERLOAD RELAY 12.5...50 A FOR MOTOR
 PROTECTION SIZE S2,
 CLASS 20 FOR MOUNTING ONTO CONT. MAIN CIRCUIT:
 SCREW CONNECTION AUX. CIRCUIT: SCREW
 CONNECTION MANUAL-AUTOMATIC-RESET

General technical data:		
product brand name		SIRIUS
Product designation		solid-state overload relay
Size of overload relay		S2
Number of poles / for main current circuit		3
Product function / removable terminal for auxiliary and control circuit		Yes
Impulse voltage resistance / rated value	kV	6
Protection class IP		IP20
Protection class IP / on the front		IP20
Protection against electrical shock		finger-safe
Installation altitude / at a height over sea level / maximum	m	2,000
Resistance against shock		15g / 11 ms
Ambient temperature		
• during transport	°C	-40 ... +80
• during storage	°C	-40 ... +80
• during operating	°C	-25 ... +60
Relative humidity / during operating phase / maximum	%	100
Electrostatic discharge / according to IEC 61000-4-2		6 kV contact discharge / 8 kV air discharge
Field-bound parasitic coupling / according to IEC 61000-4-3		10 V/m
Conductor-bound parasitic coupling BURST / according to IEC 61000-4-4		2 kV (power ports), 1 kV (signal ports) corresponds to degree of severity 3
Conductor-bound parasitic coupling conductor-earth SURGE / according to IEC 61000-4-5		2 kV (line to earth) corresponds to degree of severity 3
Conductor-bound parasitic coupling conductor-conductor SURGE / according to IEC 61000-4-5		1 kV (line to line) corresponds to degree of severity 3
Type of protection		PTB 06 ATEX 3001 Ex II (2) GD
Active power loss / total / typical	W	0.05
Size of the contactor / can be combined / company-specific		S2
Main circuit:		
Operating current / of the fuse link / rated value	A	80

Type of assignment		2
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Auxiliary circuit:

Number of NC contacts / for auxiliary contacts		1
Number of NO contacts / for auxiliary contacts		1
Number of changeover contacts / for auxiliary contacts		0
Design of the fuse link / for short-circuit protection of the auxiliary switch / required		fuse gL/gG: 6 A
Operating current / of the auxiliary contacts		
<ul style="list-style-type: none"> • at AC-15 <ul style="list-style-type: none"> • at 24 V • at 110 V • at 120 V • at 125 V • at 230 V • at DC-13 <ul style="list-style-type: none"> • at 24 V • at 60 V • at 110 V • at 125 V • at 220 V 	<ul style="list-style-type: none"> A A A A A A A A A A A A A A 	<ul style="list-style-type: none"> 4 4 4 4 3 2 0.55 0.3 0.3 0.11

Protective and monitoring functions:

Trip class		CLASS 20
Adjustable response current / of the current-dependent overload release	A	12.5 ... 50

Installation/ mounting/ dimensions:

Mounting type		direct mounting
mounting position		any
Depth	mm	109
Height	mm	92
Width	mm	55

Connections/ terminals:

Design of the electrical connection		
<ul style="list-style-type: none"> • for main current circuit • for auxiliary and control current circuit 		screw-type terminals screw-type terminals
Type of the connectable conductor cross-section		
<ul style="list-style-type: none"> • for main contacts <ul style="list-style-type: none"> • solid • finely stranded 		2x (1 ... 16 mm ²)

- with conductor end processing
- stranded
- for AWG conductors / for main contacts
- for auxiliary contacts
 - solid
 - finely stranded
 - with conductor end processing
- for AWG conductors / for auxiliary contacts

2x (1 ... 16 mm²), 1 ... 25 mm²
 2x (max. 25 mm²), 1 ... 35 mm²
 2 x (max. 4), 1 x (18 ... 2)
 0.5 ... 4 mm², 2x (0.5 ... 2.5 mm²)
 0.5 ... 2.5 mm², 2x (0.5 ... 1.5 mm²)
 2x (20 ... 14)

Certificates/ approvals:

General Product Approval



EMC

For use in hazardous locations

Test Certificates

[Special Test Certificate](#)

[Type Test Certificates/Test Report](#)

Shipping Approval



other

[Declaration of Conformity](#)

[other](#)

[Environmental Confirmations](#)

Further information:

Information- and Downloadcenter (Catalogs, Brochures,...)

<http://www.siemens.com/industrial-controls/catalogs>

Industry Mall (Online ordering system)

<http://www.siemens.com/industrial-controls/mall>

Cax online generator

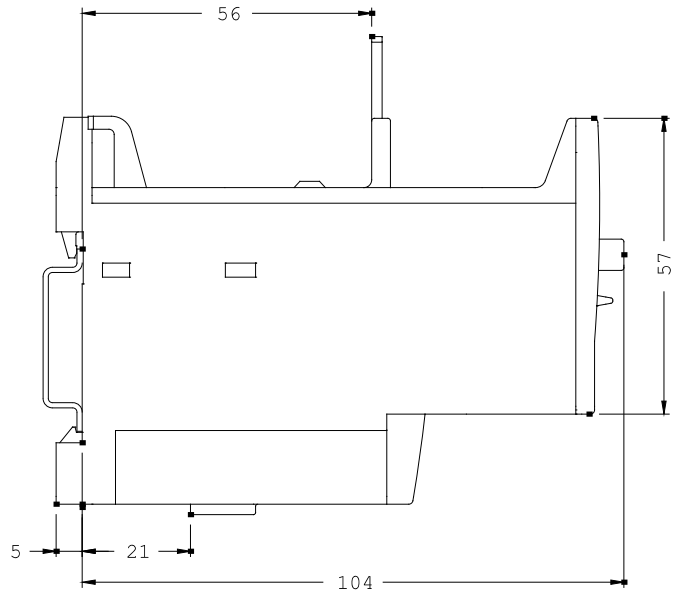
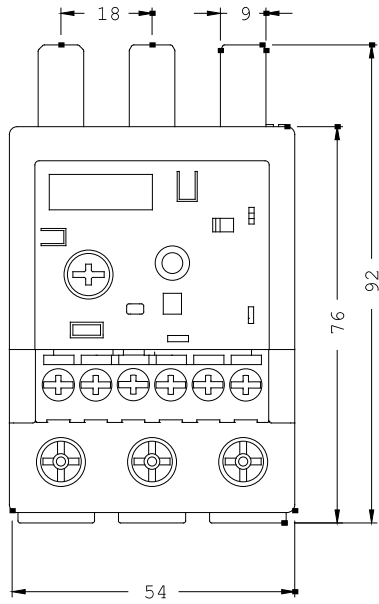
<http://www.siemens.com/cax>

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

<http://support.automation.siemens.com/WWW/view/en/3RB2036-2UB0/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RB2036-2UB0



last change:

Jun 16, 2014