



PROCESSING UNIT FOR FULL MOTOR PROTECTION
(MONOSTABLE) FOR IO-LINK SIZE S00...S12,
CLASS 5...30 STAND-ALONE INSTALLATION MAIN
CIRCUIT: -- AUX. CIRCUIT: SCREW CONNECTION
MANUAL-AUTOMATIC-RESET

General technical data:

product brand name		SIRIUS
Product designation		Electronic overload relay for IO-Link
Size of overload relay		S00 ... S12
Number of poles / for main current circuit		3
Product function / removable terminal for auxiliary and control circuit		Yes
Insulation voltage / with degree of pollution 3 / rated value	V	300
Impulse voltage resistance / rated value	kV	4
Protection class IP • of the terminal • on the front		IP20 IP20
Protection against electrical shock		finger-safe
Installation altitude / at a height over sea level / maximum	m	2,000
Ambient temperature • during transport • during storage • during operating	°C °C °C	-40 ... +80 -40 ... +80 -25 ... +60
Relative humidity • during operating phase	/ %	100

EMC immunity to interference / according to IEC 60947-1		corresponds to degree of severity 3
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		2 kV (line to earth) corresponds to degree of severity 3
Conductor-bound parasitic coupling conductor-conductor SURGE		1 kV (line to line) corresponds to degree of severity 3
Type of protection		PTB 11 ATEX 3014
Active power loss / total / typical	W	0.5
Size of the contactor / can be combined / company-specific		S00 ... S12

Main circuit:

Operating current

- of the auxiliary contacts
 - at AC-15
 - at 24 V
 - at 125 V
 - at 230 V
 - at DC-13
 - at 24 V
 - at 60 V
 - at 125 V
 - at 220 V

A	6
A	6
A	3
A	2
A	0.55
A	0.3
A	0.2

Type of assignment

1 and 2

Control circuit/ Control:

Type of voltage supply / via input/ output link master

Yes

Voltage type / for auxiliary and control circuit

AC/DC

Auxiliary circuit:

Number of NC contacts / for auxiliary contacts

0

Number of NO contacts / for auxiliary contacts

1

Number of changeover contacts / for auxiliary contacts

1

Design of the fuse link / for short-circuit protection of the auxiliary switch / required

fuse gL/gG: 6 A

Protective and monitoring functions:

Trip class

CLASS 5, 10, 20 and 30 adjustable

Adjustable response current

- of the current-dependent overload release

A 0.3 ... 630

Safety related data:

Failure rate [FIT] / with low demand rate / according to SN 31920	FIT	2,310
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Installation/ mounting/ dimensions:

Mounting type		stand-alone installation
mounting position		any
Depth	mm	95
Height	mm	111
Width	mm	45

Connections/ terminals:

Design of the electrical connection • for auxiliary and control current circuit		screw-type terminals
Type of the connectable conductor cross-section • for auxiliary contacts • solid or multi-stranded • finely stranded • with conductor end processing • for AWG conductors / for auxiliary contacts		1x (0,5 ... 4 mm²), 2x (0,5 ... 2,5 mm²) 1x (0.5 ... 2.5 mm²), 2x (0.5 ... 1.5 mm²) 1x (20 ... 12), 2x (20 ... 14)

UL/CSA ratings:

Contact rating designation / for auxiliary contacts / according to UL		B300 / R300
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Certificates/ approvals:

General Product Approval	For use in hazardous locations	Test Certificates
 CSA	 UL	 ATEX

[Special Test Certificate](#)

other

[Declaration of Conformity](#)

[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/industrymall>

Cax online generator

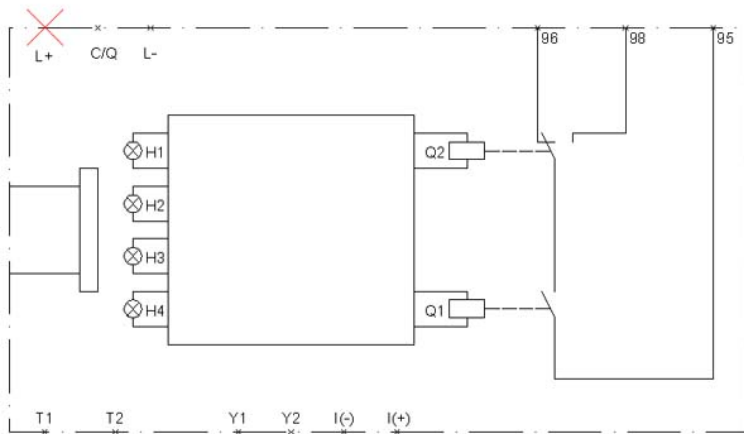
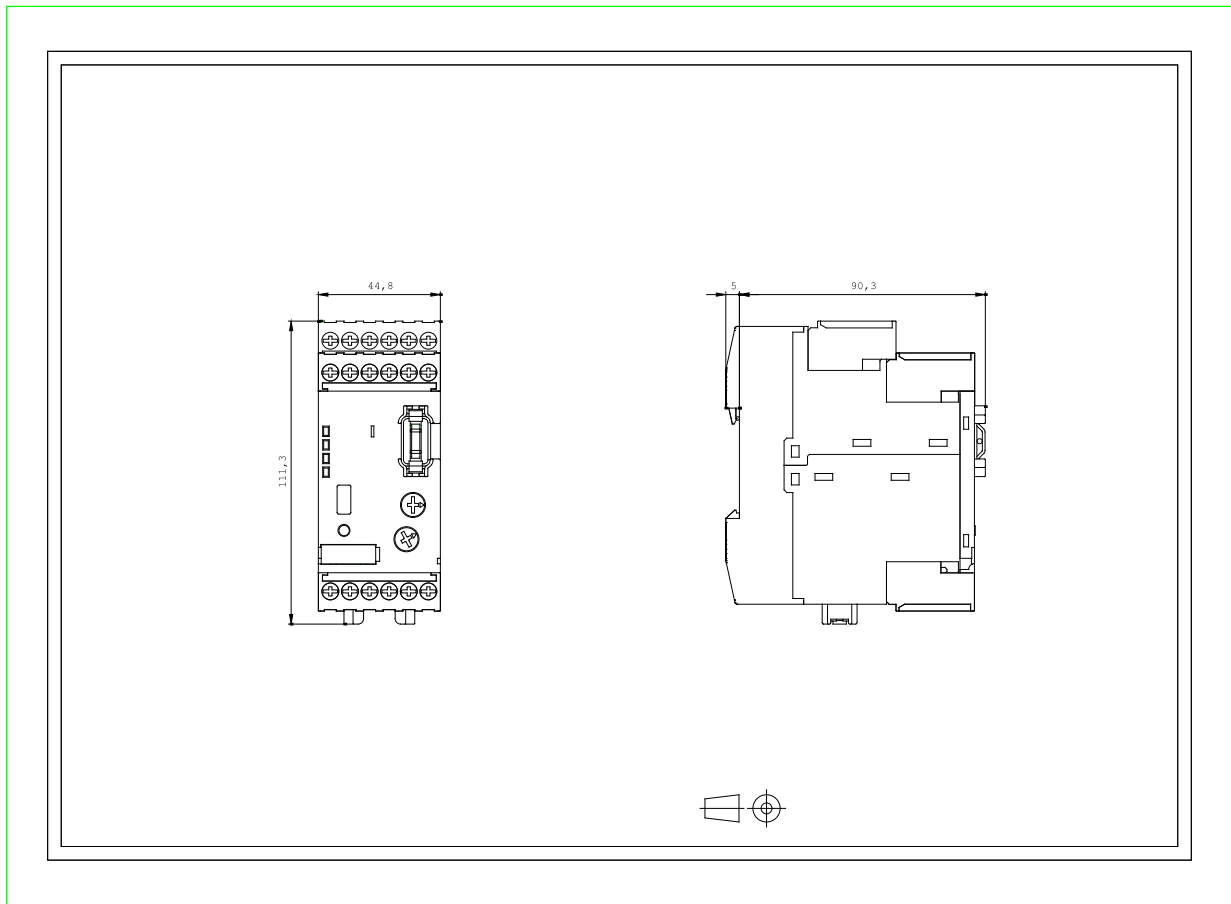
<http://www.siemens.com/cax>

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

<http://support.automation.siemens.com/WW/view/en/3RB2483-4AA1/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RB2483-4AA1



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