



Communication module Modbus RTU

product brand name	SIRIUS
product category	Communication modules
product designation	Communication module
design of the product	Modbus RTU
product type designation	3RW59
manufacturer's article number of soft starter	3RW50 3RW51 3RW52 3RW55
General technical data	
reference code according to IEC 81346-2	A
Substance Prohibitance (Date)	02/11/2019
SVHC substance name	Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8
Weight	0.13 kg
Installation/ mounting/ dimensions	
mounting position	any
fastening method	screw fixing
height	126 mm
width	28 mm
depth	82 mm
weight without packaging	0.1 kg
Connections/ Terminals	
type of connectable conductor cross-sections	- for control circuit solid 1x (0.2 mm² ... 2.5 mm²) - for control circuit finely stranded with core end processing 1x (0.25 mm² ... 2.5 mm²), 2x (0.5 mm² ... 1.5 mm²) - for control circuit finely stranded without core end processing 1x (0.2 mm² ... 2.5 mm²) - for AWG cables for control circuit solid 1x (24 ... 12) - for AWG cables for control circuit finely stranded with core end processing 1x (24 ... 12)
Ambient conditions	
installation altitude at height above sea level maximum	5 000 m; Derating as of 1000 m, see catalog
ambient temperature	- during operation -25 ... +60 °C; observe derating of basic unit above 40 °C - during storage and transport -40 ... +80 °C
environmental category	- during operation according to IEC 60721 3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6 - during storage according to IEC 60721 1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4

- during transport according to IEC 60721

2K2, 2C1, 2S1, 2M2 (max. height of fall 0.8 m)

Electrical Safety	
protection class IP on the front according to IEC 60529	IP20
touch protection on the front according to IEC 60529	finger-safe, for vertical contact from the front
Approvals Certificates	

General Product Approval	EMV	For use in hazardous locations
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[KC](#)

[Miscellaneous](#)

Test Certificates	Maritime application
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[Type Test Certificates/Test Report](#)



other	Environment
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[Confirmation](#)

[Environmental Confirmations](#)

Further information

Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

Information for data generation and storage

<https://support.industry.siemens.com/cs/ww/en/view/109995012>

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=3RW5980-0CR00>

Cax online generator

<https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RW5980-0CR00>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RW5980-0CR00>

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

https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RW5980-0CR00&lang=en

Characteristic: Tripping characteristics, I²t, Let-through current

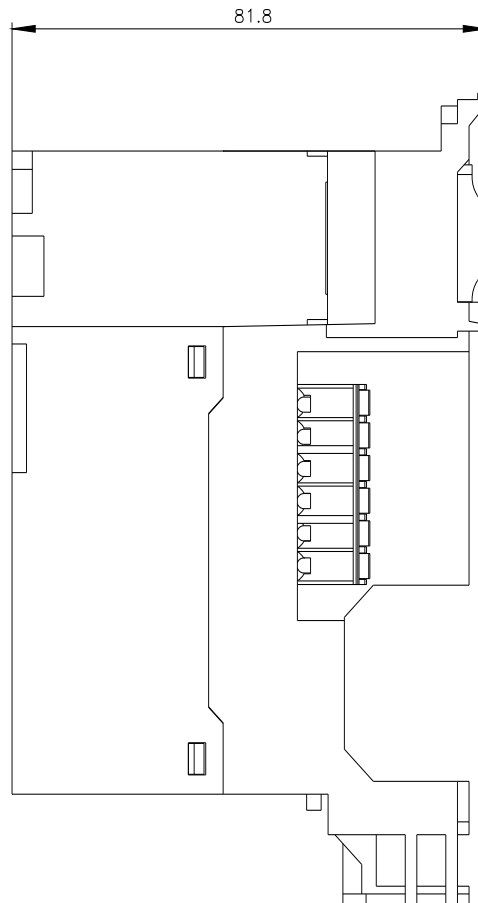
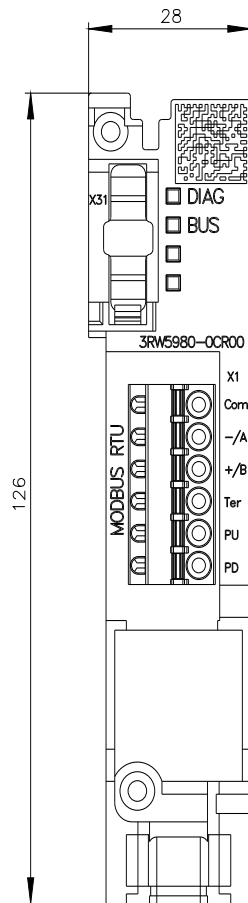
<https://support.industry.siemens.com/cs/ww/en/ps/3RW5980-0CR00/char>

Characteristic: Installation altitude

<https://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RW5980-0CR00&objecttype=14&gridview=view1>

Simulation Tool for Soft Starters (STS)

<https://support.industry.siemens.com/cs/ww/en/view/101494917>



-A



-X31

-X1:Com

-X1:-/A

-X1:+/B

-X1:Ter

-X1:PU

-X1:PD

