



Communication module Modbus RTU

<b>product brand name</b>	SIRIUS
<b>product category</b>	Communication modules
<b>product designation</b>	Communication module
<b>design of the product</b>	Modbus RTU
<b>manufacturer's article number of soft starter</b>	
•	3RW50
•	3RW51
•	3RW52
•	3RW55
<b>General technical data</b>	
<b>reference code according to IEC 81346-2</b>	A
<b>Substance Prohibitation (Date)</b>	02/11/2019
<b>SVHC substance name</b>	Lead monoxide (lead oxide) - 1317-36-8
<b>Weight</b>	0.13 kg
<b>Installation/ mounting/ dimensions</b>	
<b>mounting position</b>	any
<b>fastening method</b>	screw fixing
<b>height</b>	126 mm
<b>width</b>	28 mm
<b>depth</b>	82 mm
<b>weight without packaging</b>	0.1 kg
<b>Connections/ Terminals</b>	
<b>type of connectable conductor cross-sections</b>	
• for control circuit solid	1x (0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup> )
• for control circuit finely stranded with core end processing	1x (0.25 mm <sup>2</sup> ... 2.5 mm <sup>2</sup> ), 2x (0.5 mm <sup>2</sup> ... 1.5 mm <sup>2</sup> )
• for control circuit finely stranded without core end processing	1x (0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup> )
• 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)
<b>Ambient conditions</b>	
<b>installation altitude at height above sea level maximum</b>	5 000 m; Derating as of 1000 m, see catalog
<b>ambient temperature</b>	
• during operation	-25 ... +60 °C; observe derating of basic unit above 40 °C
• during storage and transport	-40 ... +80 °C
<b>environmental category</b>	
• 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
--------------------------	-----



EG-Konf.

[Confirmation](#)



UL



[KC](#)

For use in hazardous locations	Test Certificates	Marine / Shipping
--------------------------------	-------------------	-------------------

[Miscellaneous](#)

[Type Test Certificates/Test Report](#)



ABS



BUREAU VERITAS



DNV



LRS

Marine / Shipping	other	Environment
-------------------	-------	-------------



PRS

[Confirmation](#)

[Environmental Confirmations](#)

#### Further information

Information on the packaging

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

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

<http://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, ...)

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RW5980-0CR00&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RW5980-0CR00&lang=en)

Characteristic: Tripping characteristics, I<sup>2</sup>t, Let-through current

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

Characteristic: Installation altitude

<http://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>





