

Siemens  
EcoTech



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
<b>General technical data</b>	
reference code according to IEC 81346-2	A
Substance Prohibitance (day/month/year)	02/11/2019
SVHC substance name	Lead CAS-No. 7439-92-1 Lead monoxide (lead oxide) CAS-No. 1317-36-8
Net Weight	0.13 kg
<b>Installation/ mounting/ dimensions</b>	
mounting position	any
fastening method	screw fixing
height	126 mm
width	28 mm
depth	82 mm
weight without packaging	0.1 kg
<b>Connections/ Terminals</b>	
type of connectable conductor cross-sections	
• 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>	
installation altitude at height above sea level maximum	5 000 m
ambient temperature	
• during operation	-25 ... +60 °C; observe derating of basic unit above 40 °C
• during storage and transport	-40 ... +80 °C

<b>environmental category</b>	
<ul style="list-style-type: none"> <li>during operation according to IEC 60721</li> <li>during storage according to IEC 60721</li> <li>during transport according to IEC 60721</li> </ul>	3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6 1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4 2K2, 2C1, 2S1, 2M2 (max. height of fall 0.8 m)

Electrical Safety	
<b>protection class IP on the front according to IEC 60529</b>	IP20
<b>touch protection on the front according to IEC 60529</b>	finger-safe, for vertical contact from the front

**Approvals Certificates**

Environment	General Product Approval
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[Environmental Con-  
firmations](#)



EMV	For use in hazardous locations	Test Certificates	Maritime application
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[Miscellaneous](#)

[Type Test Certificates/Test Report](#)



Maritime application	other
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[Confirmation](#)

[Confirmation](#)



**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>

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

Cax online generator

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

Characteristic curves

[https://curves.simaris.siemens.com/curves/<mmp\\_prod\\_noCOMP="HAUPT"></mmp\\_prod\\_no>](https://curves.simaris.siemens.com/curves/<mmp_prod_noCOMP=)

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

[https://www.automation.siemens.com/bilddb/index.aspx?gridview=view2&objkey=G\\_NSB0\\_XX\\_01704&showdetail=true&view=Search](https://www.automation.siemens.com/bilddb/index.aspx?gridview=view2&objkey=G_NSB0_XX_01704&showdetail=true&view=Search)

Simulation Tool for Soft Starters (STS)

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





