

product brand name	Communication module Modbus RTU		
product category	SIRIUS		
product designation	Communication modules		
design of the product	Communication module		
manufacturer's article number	Modbus RTU		
<ul style="list-style-type: none"> • of soft starter • of soft starter • of soft starter • of soft starter 	3RW50	3RW51	3RW52
	3RW50	3RW51	3RW55
General technical data			
reference code according to IEC 81346-2	A		
Substance Prohibitance (Date)	02/11/2019		
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	<ul style="list-style-type: none"> • for control circuit solid • for control circuit finely stranded with core end processing • for control circuit finely stranded without core end processing • at AWG cables for control circuit solid • at AWG cables for control circuit finely stranded with core end processing 		
	1x (0.2 mm ² ... 2.5 mm ²)		
	1x (0.25 mm ² ... 2.5 mm ²), 2x (0.5 mm ² ... 1.5 mm ²)		
	1x (0.2 mm ² ... 2.5 mm ²)		
	1x (24 ... 12)		
	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	<ul style="list-style-type: none"> • during operation • during storage and transport 		
	-25 ... +60 °C; observe derating of basic unit above 40 °C		
	-40 ... +80 °C		
environmental category	<ul style="list-style-type: none"> • during operation according to IEC 60721 • during storage according to IEC 60721 • during transport according to IEC 60721 		
	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)		
Safety related data			
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		
Certificates/ approvals			
General Product Approval	For use in hazardous locations	Declaration of Conformity	



[Confirmation](#)



[Explosion Protection Certificate](#)



Declaration of Conformity	Test Certificates	Marine / Shipping			
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[Type Test Certificates/Test Report](#)



Marine / Shipping	other
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[Confirmation](#)

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

Characteristic: Tripping characteristics, I²t, 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>

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12/15/2020