

FUNCTION MODULE STAR-DELTA COMPRISING A BASIC MODULE AND 2 COUPLING MODULES WITH INTEGRATED CONNECTING CABLE; TIME RANGE 0.5...60S 24...240V AC/DC FOR 3RT2 S00-S2 CONTACTORS INTEGRATED VARISTOR FOR DAMPING CONTACTOR COILS



General technical data		
product brandname		SIRIUS
Product designation		function module
Protection class IP of the terminal		IP20
Degree of pollution		3
Test voltage for isolation test	kV	1.5
Type of insulation		Basic insulation
Installation altitude at height above sea level maximum	m	2 000
Ambient temperature		
• during storage	°C	-40 ... +85
• during operation	°C	-25 ... +60
• during transport	°C	-40 ... +85
Relative humidity during operation	%	0 ... 95
Conducted interference due to burst acc. to IEC 61000-4-4		2 kV network connection / 1 kV control connection
Conducted interference due to conductor-earth surge acc. to IEC 61000-4-5		2 kV
Conducted interference due to conductor-conductor surge acc. to IEC 61000-4-5		1 kV

Electrostatic discharge acc. to IEC 61000-4-2		8 kV
Field-bound parasitic coupling acc. to IEC 61000-4-3		10 V/m
Surge voltage resistance rated value	kV	4
Test voltage for surge voltage test	V	4 800
Equipment marking acc. to DIN 40719 extended according to IEC 204-2 acc. to IEC 750		K
Equipment marking acc. to DIN EN 61346-2		K
Adjustable time	s	0.5 ... 60
Number of NO contacts delayed switching		2
<b>Switching function</b>		
• ON-delay		No
• passing make contact		No
• fixed clock cycle beginning with pulse		No
• fixed clock cycle beginning with interval		No
• OFF delay		No
• variably clocked start with impulse		No
• variably clocked start with interval		No
<b>Switching function</b>		
• with control signal		
— additive ON delay		No
— passing break contact		No
— OFF delay		No
— pulse-shaping		No
<b>Product component semi-conductor output</b>		No
<b>Product extension</b>		
• optional remote control		No
• required remote control		No
<b>Product function</b>		
• star-delta circuit		Yes
• at the relay outputs Switchover delayed/without delay		No

#### Control circuit/ Control

<b>Design of the surge suppressor</b>		with varistor
<b>Type of voltage of the control supply voltage</b>		AC/DC
<b>Control supply voltage frequency 1</b>	Hz	50 ... 60
<b>Control supply voltage 1</b>		
• at DC	V	24 ... 240
• at AC		
— at 50 Hz	V	24 ... 240
— at 60 Hz	V	24 ... 240

#### Installation/ mounting/ dimensions



<b>Mounting position</b>		any (like contactor)
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<b>Mounting type</b>		clip-on
<b>Width</b>	mm	45
<b>Height</b>	mm	38
<b>Depth</b>	mm	74
<b>Required spacing with side-by-side mounting</b>		
• upwards	mm	0
• downwards	mm	0
• forwards	mm	0
• Backwards	mm	0
• at the side	mm	0
<b>Required spacing for grounded parts</b>		
• upwards	mm	0
• downwards	mm	0
• forwards	mm	0
• Backwards	mm	0
• at the side	mm	0
<b>Required spacing for live parts</b>		
• upwards	mm	0
• downwards	mm	0
• forwards	mm	0
• Backwards	mm	0
• at the side	mm	0

### Connections/Terminals

<b>Product function removable terminal for auxiliary and control circuit</b>		No
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### Certificates/approvals

General Product Approval			Declaration of Conformity	Test Certificates	Shipping Approval
 CSA	 UL		 EG-Konf.	<a href="#">Type Test Certificates/Test Report</a>	 ABS

Shipping Approval					
 BUREAU VERITAS	 GL	 LRS	 PRS	 RINA	 RMRS

other	Railway
<a href="#">Confirmation</a>	<a href="#">Vibration and Shock</a>

### Further information

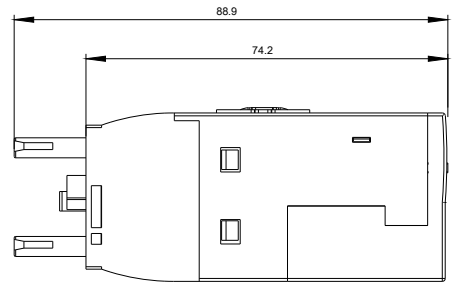
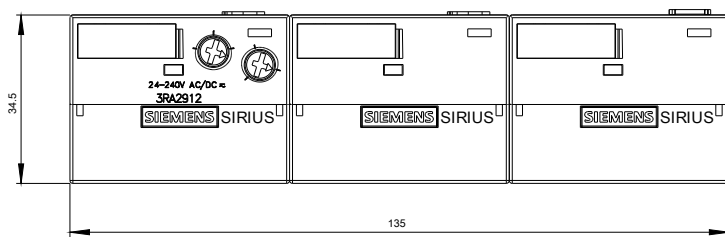
**Information- and Downloadcenter (Catalogs, Brochures,...)**  
<http://www.siemens.com/industrial-controls/catalogs>

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<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RA2816-0EW20>

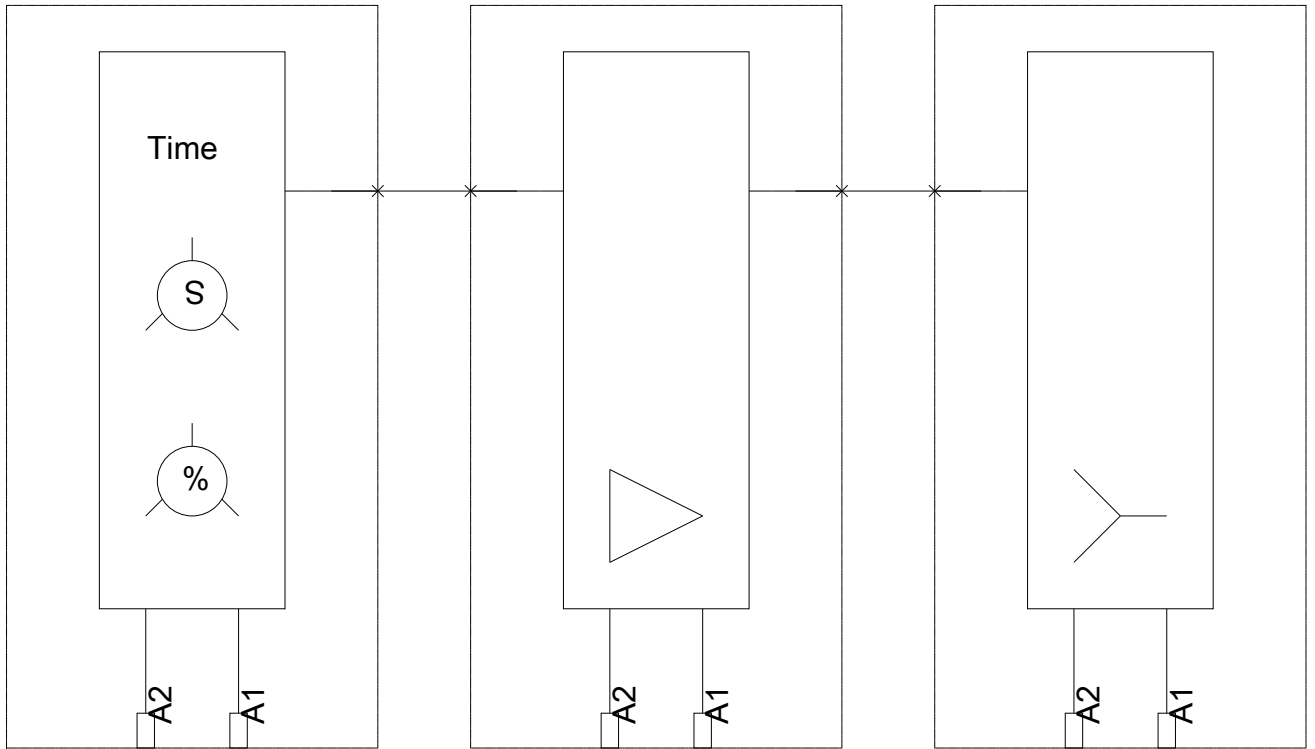
**Cax online generator**  
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RA2816-0EW20>

**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**  
<https://support.industry.siemens.com/cs/ww/en/ps/3RA2816-0EW20>

**Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)**  
[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RA2816-0EW20&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RA2816-0EW20&lang=en)



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