

Product data sheet

## 3RA2816-0EW20

FUNCTION MODULE WYE-DELTA COMPRISING A BASIC MODULE AND 2 COUPLING MODULES WITH INTEGRATED CONNECTING CABLE;

General technical data:		
Product brand name		SIRIUS
Design of the product	_	star-delta (wye-delta)
Size of the contactor / can be combined	_	
company-specific		S00, S0
Protection class IP / frontal/front side		IP20
Protection class IP / of the terminal		IP20
Degree of pollution	_	3
Insulation voltage / with degree of pollution 3		
rated value	V	300
Altitude of installation site / at a height over sea level / maximum	m	2,000
Ambient temperature	_	
during storage	°C	-40 85
<ul> <li>during the operating phase</li> </ul>	°C	-25 60
during transport	°C	-40 85
EMC immunity to interference		
according to IEC 60947-1		ambience A (industrial sector)
EMC emitted interference		
according to IEC 60947-1		CISPR11, ambience A (industrial sector)
Conductor-bound parasitic coupling BURST		
according to IEC 61000-4-4		2 kV network connection / 1 kV control connection
Conductor-bound parasitic coupling conductor-earth SURGE		
according to IEC 61000-4-5		2 kV
Conductor-bound parasitic coupling conductor-conductor SURGE		
according to IEC 61000-4-5		1 kV
Electrostatic discharge		
according to IEC 61000-4-2		8 kV
Field-bound parasitic coupling		
according to IEC 61000-4-3		10 V/m
Resistance against shock		15g / 11 ms

Resistance against vibration		10 55 Hz / 0.35 mm
Impulse voltage resistance / rated value	kV	4
Item designation		
<ul> <li>according to DIN 40719 extendable after IEC 204-2 / according to IEC 750</li> </ul>		κ
according to DIN EN 61346-2		к
Adjustable time	S	1.5 60
Switching function		
slow-operating		No
relapse delayed		No
with auxiliary voltage		
relapse delayed		No
<ul> <li>without auxiliary voltage / relapse delayed</li> </ul>		No
<ul> <li>with auxiliary voltage / pulse shaping</li> </ul>		No
Product component / Semi-conductor output		No
Product extension		
optional / Remote control		No
strictly required / Remote control		No
Product function	-	
star-delta circuit		Yes
<ul> <li>at the relay outputs / Changeover delayed/without delay</li> </ul>		Yes
Control circuit:		
Supply voltage / strictly required		
Auxiliary voltage		No
Type of voltage		
of the controlled supply voltage		AC/DC
control supply voltage frequency / 1	Hz	50 60
Control supply voltage / 1	-	
• for DC	V	24 240
• at 50 Hz / for AC	V	24 240
• at 60 Hz / for AC	V	24 240
Operating range factor control supply voltage rated value		
• of solenoid		0.85 1.1
Auxiliary circuit:		
Operating current / of the auxiliary contacts		
• at AC-15 / at 250 V	А	3
• at DC-13		
• at 24 V	А	1
• at 125 V	А	0.2

• at 250 V	A	0.1
Installation/mounting/dimensions:		
built in orientation		any
Width	mm	45
Height	mm	38
Depth	mm	74
distance, to be maintained, to the ranks assembly		
• upwards	mm	0
• downwards	mm	0
• forwards	mm	0
backwards	mm	0
• sidewards	mm	0
distance, to be maintained, to earthed part		
• upwards	mm	0
• downwards	mm	0
• forwards	mm	0
backwards	mm	0
• sidewards	mm	0
distance, to be maintained, conductive elements		
• upwards	mm	0
• downwards	mm	0
• forwards	mm	0
backwards	mm	0
• sidewards	mm	0
Connections:		
design of the electrical connection		
• for auxiliary and control current circuit		tab terminals
Product function		
<ul> <li>removable terminal for auxiliary and control circuit</li> </ul>		No
Certificates/approvals:		
verification of suitability		CE / UL / CSA
• EC declaration of conformity		Yes
CSA-approval		Yes
UL-registration		Yes

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

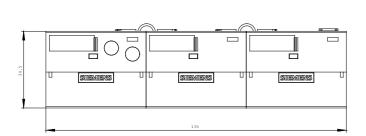
Further information:

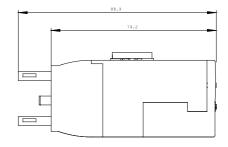
## Global Industry Mall (Online ordering system)

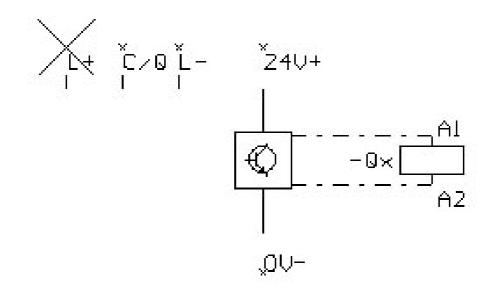
http://www.siemens.com/industrial-controls/mall

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) http://support.automation.siemens.com/WW/view/en/3RA2816-0EW20/all

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=3RA2816-0EW20







last change:

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