

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



General technical data:		
product brand name		SIRIUS
product designation		Function module for star-delta start
Design of the product		star-delta (wye-delta)
Size of the contactor / can be combined • company-specific		S00, S0
Protection class IP / on the front		IP20
Protection class IP / of the terminal		IP20
Degree of pollution		3
Insulation voltage / with degree of pollution 3 • rated value	V	300
Installation altitude / at a height over sea level / maximum	m	2,000
Ambient temperature • during storage • during operating • during transport	°C	-40 ... +85 -25 ... +60 -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 • according to DIN 40719 extendable after IEC 204-2 / according to IEC 750 • according to DIN EN 61346-2		K K
Adjustable time	s	0.5 ... 60
Switching function • slow-operating • relapse delayed • with auxiliary voltage • relapse delayed • without auxiliary voltage / relapse delayed • with auxiliary voltage / pulse-shaping		No No No No No
Product component / semi-conductor output		No
Product extension • optional / remote control • strictly required / remote control		No No
Product function • star-delta circuit • at the relay outputs / changeover delayed/without delay		Yes Yes
Control circuit:		
Design of the surge suppressor		with varistor
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 the solenoid		0.85 ... 1.1

Auxiliary circuit:

Operating current / of the auxiliary contacts

• at AC-15 / at 250 V	A	3
• at DC-13		
• at 24 V	A	1
• at 125 V	A	0.2
• at 250 V	A	0.1

Installation/mounting/dimensions:

mounting position		any
Type of mounting		clip-on
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
• sideways	mm	0
Distance, to be maintained, to earthed part		
• upwards	mm	0
• downwards	mm	0
• forwards	mm	0
• backwards	mm	0
• sideways	mm	0
Distance, to be maintained, conductive elements		
• upwards	mm	0
• downwards	mm	0
• forwards	mm	0
• backwards	mm	0
• sideways	mm	0

Connections:

Product function

- removable terminal for auxiliary and control circuit

No

Certificates/approvals:**Verification of suitability**

- EC declaration of conformity
- CSA-approval
- UL-registration

CE / UL / CSA

Yes

Yes

Yes

General Product Approval**Test Certificates**

CSA



GOST



UL

[Special Test Certificate](#)
[Type Test Certificates/Test Report](#)
Shipping Approval

ABS

BUREAU
VERITAS

DNV



GL



LRS



PRS

Shipping Approval**other**

RINA

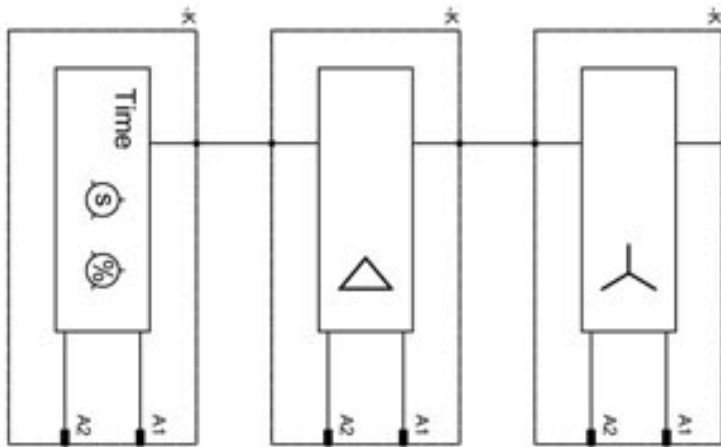
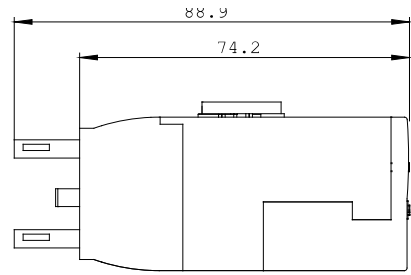
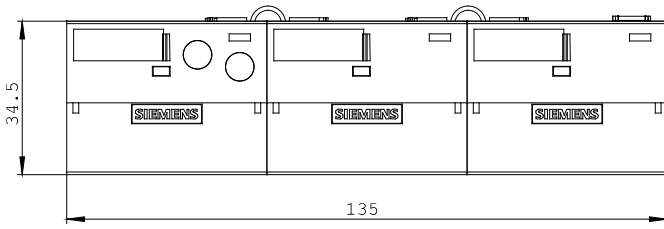


RMRS

[Declaration of Conformity](#)
[other](#)
UL/CSA ratings
Contact rating designation / for auxiliary contacts / according to UL

B300 / R300

Further information:**Information- and Downloadcenter (Catalogs, Brochures,...)**
<http://www.siemens.com/industrial-controls/catalogs>
Industry Mall (Online ordering system)
<http://www.siemens.com/industrial-controls/mall>
CAX-Online-Generator
<http://www.siemens.com/cax>
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:

Feb 4,
2013