



SOLID-STATE TIME RELAY OFF-DELAY WITH AUXILIARY VOLTAGE AND SEMICONDUCTOR OUTPUT 24...240V AC/DC TIME RANGE 0.05...100S FOR SNAPPING ONTO THE FRONT;
FOR 3RT2 CONTACTORS SPRING-LOADED TERMINALS

General technical data:		
product brand name		SIRIUS
product designation		timing relay
Design of the product		off-delayed with auxiliary voltage
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	0.05 ... 100
Switching function • slow-operating • relapse delayed • with auxiliary voltage • relapse delayed • without auxiliary voltage / relapse delayed • with auxiliary voltage / pulse-shaping		No Yes Yes No No
Product component / semi-conductor output		Yes
Product extension • optional / remote control • strictly required / remote control		No No
Product function • star-delta circuit		No

Control circuit:

Design of the surge suppressor		with varistor
Supply voltage / strictly required • auxiliary voltage		Yes
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-140 / at 250 V	A	0.4
• at DC-13		
• at 24 V	A	0.4
• at 125 V	A	0.4
• at 250 V	A	0.4

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:

Design of the electrical connection		
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• for auxiliary and control current circuit		screw-type terminals
Product function		
• removable terminal for auxiliary and control circuit		Yes
Type of the connectable conductor cross-section		
• for auxiliary contacts		
• solid		0.5 ... 4 mm ² , 2x (0.5 ... 2.5 mm ²)
• finely stranded		
• with conductor end processing		1x (0.5 ... 2.5 mm ²), 2x (0.5 ... 1.5 mm ²)
• for AWG conductors / for auxiliary contacts		2x (20 ... 14)

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



DNV



GL



LRS



RMRS

other

[Declaration of Conformity](#)

[other](#)

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

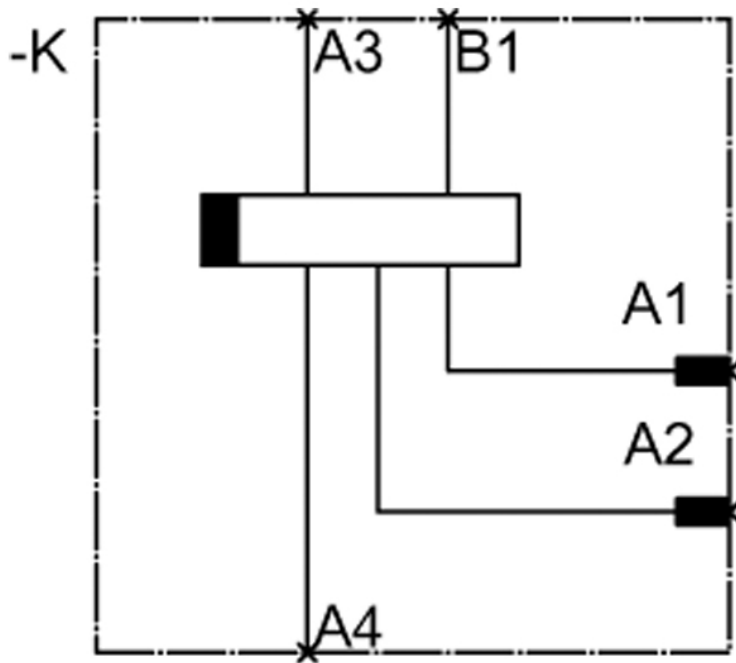
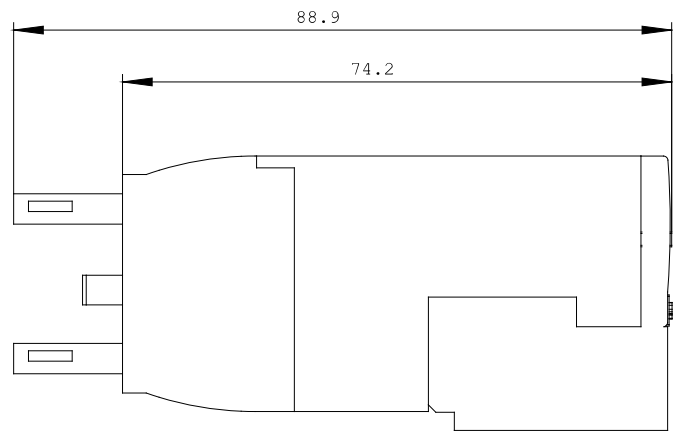
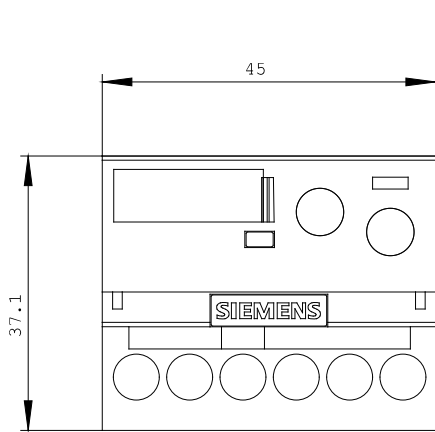
<http://www.siemens.com/cax>

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<http://support.automation.siemens.com/WW/view/en/3RA2812-1DW10/all>

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RA2812-1DW10



last change:

Apr 13,
2012