SIEMENS

Data sheet 3RA2812-1DW10

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 S00/S0 SCREW TERMINALS INTEGRATED VARISTOR FOR DAMPING CONTACTOR COILS

General technical data:		
product brand name		SIRIUS
Product designation		timing relay
Size of contactor can be combined company-specific		S00, S0
Protection class IP of the terminal		IP20
Degree of pollution		3
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
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
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	0.05 ... 100
Switching function		

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• ON-delay		No
• passing make contact		No
• fixed clock cycle beginning with pulse		No
• fixed clock cycle beginning with interval		No
• OFF delay		Yes
• variably clocked start with impulse		No
• variably clocked start with interval		No
Switching function		
• with control signal		
— additive ON delay		No
— passing break contact		No
— OFF delay		Yes
— pulse-shaping		No
Product component semi-conductor output		Yes
Product expansion		
• optional remote control		No
• required remote control		No
Product function		
• star-delta circuit		No

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

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

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• upwards	mm	0
• downwards	mm	0
• forwards	mm	0
• Backwards	mm	0
• at the side	mm	0
Required spacing for live parts		
• upwards	mm	0
• downwards	mm	0
• forwards	mm	0
• Backwards	mm	0
• at the side	mm	0

Connections/ Terminals:

Type of electrical connection for auxiliary and control current circuit		screw-type terminals
Product function removable terminal for auxiliary and control circuit		Yes

Certificates/ approvals:

General Product Approval		Test Certificates		Shipping Approval	
UL		Special Test Certificate	Type Test Certificates/Test Report	ABS	

Shipping Approval				other	
DNV	GL	LRS	RMRS	Environmental Confirmations	Declaration of Conformity

other
other

Further information

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

Industry Mall (Online ordering system)
http://www.siemens.com/industrymall

Cax online generator
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RA28121DW10

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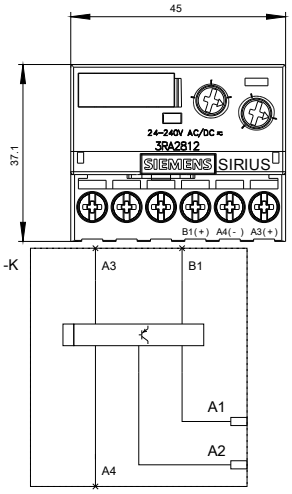
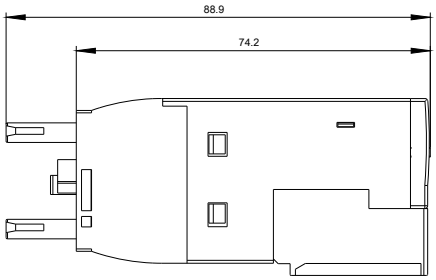
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3RA28121DW10

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RA28121DW10&lang=en





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