SIEMENS

Data sheet

3RF2990-0GA36



extended load monitoring current range 90 A / 40 $^\circ C$ 400 \dots 600 V / 110 V AC for semiconductor relay / contactor

CEEECE	
product brand name	SIRIUS
product designation	extended load monitoring
manufacturer's article number	
 _1 of the accessories that can be ordered 	<u>3RF2900-0RA88</u>
product designation	
 _1 of the accessories that can be ordered 	sealable end cover
General technical data	
product function	solid-state relay / solid-state contactor 3RF2
power loss [W] for rated value of the current	
 without load current share typical 	2.2 W
insulation voltage rated value	600 V
degree of pollution	3
surge voltage resistance of main circuit rated value	2.5 kV
shock resistance according to IEC 60068-2-27	15g / 11 ms
vibration resistance according to IEC 60068-2-6	2g
design of the switching function	CO contact
reference code according to EN 61346-2	В
reference code according to IEC 81346-2	В
Substance Prohibitance (Date)	05/01/2012
Main circuit	
number of poles for main current circuit	0
number of NO contacts for main contacts	0
number of NC contacts for main contacts	0
type of voltage	AC
operating voltage at AC	
• at 50 Hz rated value	400 600 V
at 60 Hz rated value	400 600 V
operating frequency rated value	50 60 Hz
relative symmetrical tolerance of the operating frequency	10 %
operating range relative to the operating voltage at AC	
• at 50 Hz	340 660 V
• at 60 Hz	340 660 V
operational current	
at AC-51 rated value	90 A
derating temperature	40 °C
Control circuit/ Control	
type of voltage	AC
control supply voltage at AC	
• at 50 Hz rated value	90 121 V
• at 60 Hz rated value	90 121 V

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Ambient conditions	cal contact from the front
installation altitude at height above sea level maximum 1 000 m	
ambient temperature	
• during operation -25 +60 °C	
• during storage -55 +80 °C	
Electromagnetic compatibility	
conducted interference	
due to burst according to IEC 61000-4-4 2 kV / 5 kHz behaves 2 kV /	or criterion 2
due to conductor-earth surge according to IEC 61000-4-5 2 kV behavior crite	
due to conductor-conductor surge according to IEC 1 kV behavior crite 61000-4-5	ion 2
• due to high-frequency radiation according to IEC 61000- 4-6	
electrostatic discharge according to IEC 61000-4-2 4 kV contact disch	
conducted HF interference emissions according to Class A for industr CISPR11 Class A for industr	ion 2
	ion 2 quency range 0.15 80 MHz, behavior criterion 1 rging / 8 kV air discharging, behavior criterion 2
field-bound HF interference emission according to CISPR11 Class B for the do Certificates/ approvals	ion 2 quency range 0.15 80 MHz, behavior criterion 1 rging / 8 kV air discharging, behavior criterion 2



CE EG-Konf. Confirmation



EHC

EMV



Type Test Certificates/Test Report

Test Certificates

Confirmation

other

Further information

Siemens has decided to exit the Russian market (see here).

https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

Information- and Downloadcenter (Catalogs, Brochures,...)

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RF2990-0GA36

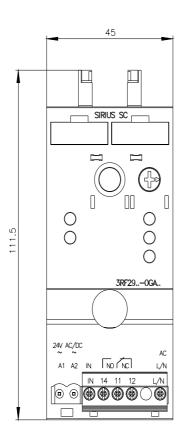
Cax online generator

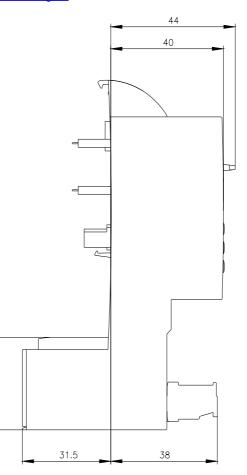
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RF2990-0GA36

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

https://support.industry.siemens.com/cs/ww/en/ps/3RF2990-0GA36

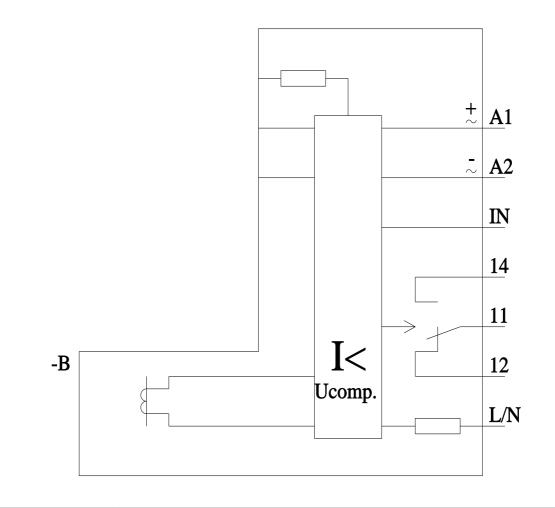
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RF2990-0GA36&lang=en





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