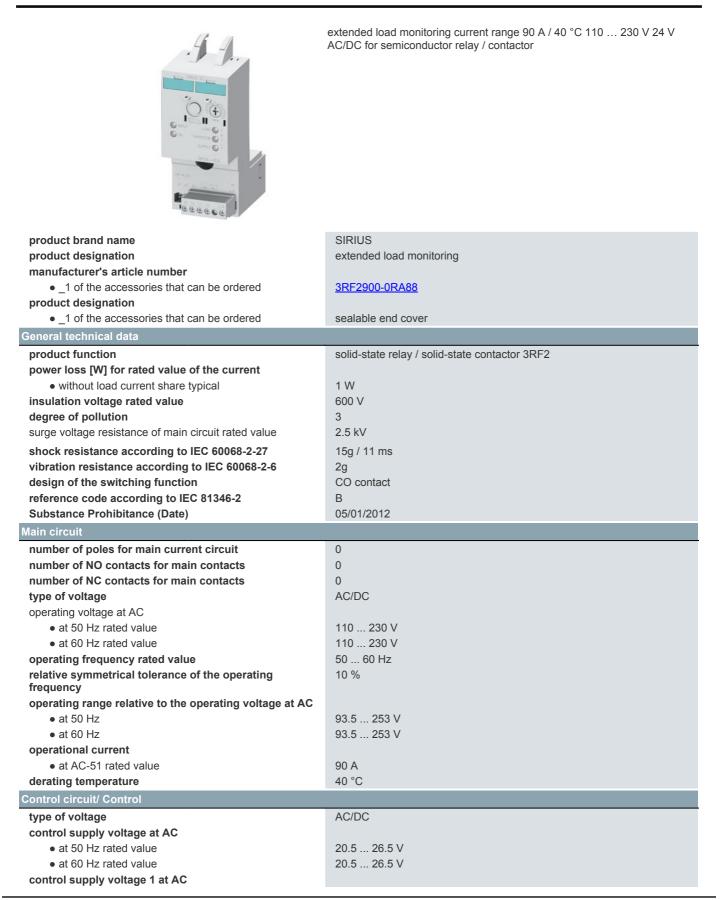
SIEMENS

Data sheet

3RF2990-0GA13



 at 50 Hz rated value 	24 V
 at 60 Hz rated value 	24 V
control supply voltage at DC rated value	18 30 V
control supply voltage 1	
 at DC rated value 	24 V
• at DC	24 V
control supply voltage at AC	
 at 50 Hz full-scale value for signal<0> recognition 	5 V
 at 60 Hz full-scale value for signal<0> recognition 	5 V
control supply voltage at DC full-scale value for signal<0> recognition	5 V
supply voltage frequency for auxiliary and control circuit rated value	50 60 Hz
symmetrical line frequency tolerance	5 Hz
control current at minimum control supply voltage	
• at AC	2 mA
• at DC	2 mA
control current at AC rated value	40 mA
control current at DC rated value	40 mA
Auxiliary circuit	1
number of NC contacts for auxiliary contacts	1
number of NO contacts for auxiliary contacts	1
number of CO contacts for auxiliary contacts	1
Installation/ mounting/ dimensions	
fastening method	clip-on
 side-by-side mounting 	Yes
height	111.5 mm
width	45 mm
depth	69.5 mm
Connections/ Terminals	
type of electrical connection	
 for auxiliary and control circuit 	screw-type terminals
type of connectable conductor cross-sections	31
 for auxiliary and control contacts 	
— solid	1x (0.5 2.5 mm²), 2x (0.5 1.0 mm²)
 finely stranded with core end processing 	1x (0.5 2.5 mm ²), 2x (0.5 1.0 mm ²)
 finely stranded with one one processing finely stranded without core end processing 	$1x (0.5 \dots 2.5 \text{ mm}^2), 2x (0.5 \dots 1.0 \text{ mm}^2)$
 at AWG cables for auxiliary and control contacts 	1x (AWG 20 12)
tightening torque for auxiliary and control contacts with screw-type terminals	0.5 0.6 N·m
tightening torque [lbf·in] for auxiliary and control contacts with screw-type terminals	4.5 5.3 lbf·in
design of the thread of the connection screw of the auxiliary and control contacts	M3
stripped length of the cable for auxiliary and control contacts	7 mm
Safety related data	
protection class IP on the front according to IEC	IP20
60529	
touch protection on the front according to IEC 60529	finger-safe, for vertical contact from the front
Ambient conditions	
installation altitude at height above sea level maximum	1 000 m
ambient temperature	
-	-25 +60 °C
 during operation during storage 	-25 +80 °C
Electromagnetic compatibility	
conducted interference	
 due to burst according to IEC 61000-4-4 	2 kV / 5 kHz behavior criterion 2
 due to conductor-earth surge according to IEC 61000-4-5 	2 kV behavior criterion 2
 due to conductor-conductor surge according to IEC 61000-4-5 	1 kV behavior criterion 2
 due to high-frequency radiation according to IEC 61000-4-6 	140 dBuV in the frequency range 0.15 80 MHz, behavior criterion 1

electrostatic discharge according to IEC 61000-4-2 conducted HF interference emissions according to CISPR11

field-bound HF interference emission according to CISPR11

4 kV contact discharging / 8 kV air discharging, behavior criterion 2 Class A for industrial environment

Class B for the domestic, business and commercial environments

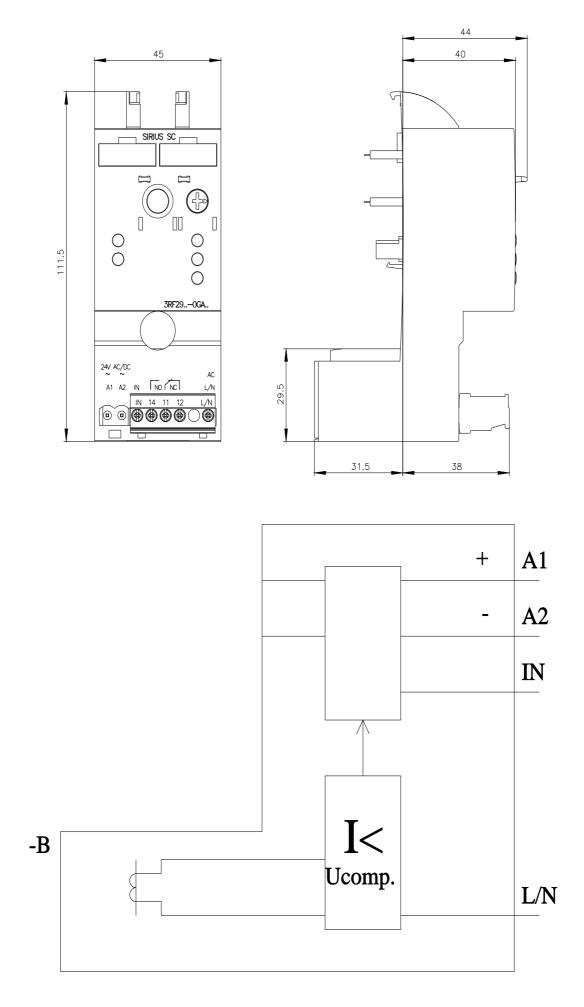
Certificates/ approva	als					
General Product A	pproval			EMC	Declaration of Conformity	
SP	<u>Confirmation</u>		EHC	RCM	UK CA	
Declaration of Conformity	Test Certificates	other				
CE EG-Konf.	Type Test Certific- ates/Test Report	<u>Confirmation</u>				
Further information						
Information on the 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=3RF2990-0GA13 Cax online generator						

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RF2990-0GA13

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

https://support.industry.siemens.com/cs/ww/en/ps/3RF2990-0GA13

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RF2990-0GA13&lang=en



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