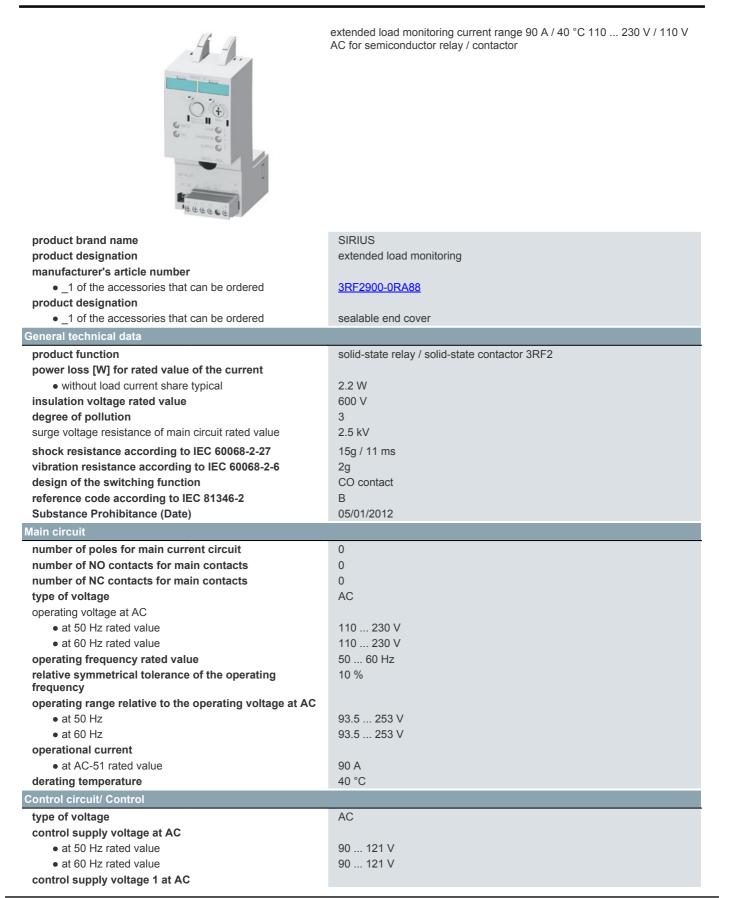
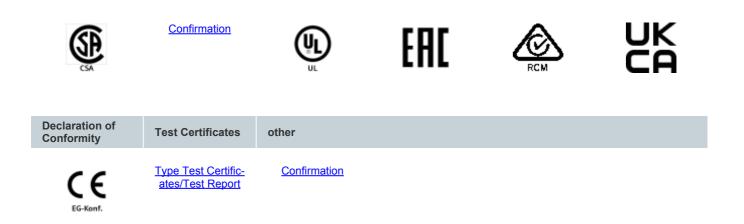
SIEMENS

Data sheet

3RF2990-0GA33



General Product Approval		EMC	Declaration of Conformity
Certificates/ approvals			
field-bound HF interference emission according to CISPR11	Class B for the domestic, business and commercial environments		
electrostatic discharge according to IEC 61000-4-2 conducted HF interference emissions according to CISPR11	4 kV contact discharging / 8 kV air discharging, behavior criterion 2 Class A for industrial environment		
 due to high-frequency radiation according to IEC 61000-4-6 	140 dBuV in the frequency range 0.15 80 MHz, behavior criterion 1		
61000-4-5 • due to conductor-conductor surge according to IEC 61000-4-5	1 kV behavior criterion 2		
 due to burst according to IEC 61000-4-4 due to conductor-earth surge according to IEC 61000 4 5 	2 kV / 5 kHz behavior criterion 2 2 kV behavior criterion 2		
conducted interference	$2 \lambda / E \lambda = b = b = i = -i = -i$	2 C	
Electromagnetic compatibility			
during storage	-55 +80 °C		
during operation	-25 +60 °C		
ambient temperature			
installation altitude at height above sea level maximum	1 000 m		
Ambient conditions			
touch protection on the front according to IEC 60529	finger-safe, for vertical conta	ct from the front	
protection class IP on the front according to IEC 60529	IP20		
Safety related data			
stripped length of the cable for auxiliary and control contacts	7 mm		
design of the thread of the connection screw of the auxiliary and control contacts	M3		
tightening torque [lbf·in] for auxiliary and control contacts with screw-type terminals	4.5 5.3 lbf∙in		
tightening torque for auxiliary and control contacts with screw-type terminals	0.5 0.6 N·m		
 at AWG cables for auxiliary and control contacts 	1x (AWG 20 12)		
 finely stranded without core end processing 	1x (0.5 2.5 mm²), 2x (0.5 .	1.0 mm²)	
 finely stranded with core end processing 	1x (0.5 2.5 mm²), 2x (0.5 .		
— solid	1x (0.5 2.5 mm²), 2x (0.5 .	1.0 mm²)	
for auxiliary and control contacts			
 for auxiliary and control circuit type of connectable conductor cross-sections 	screw-type terminals		
type of electrical connection			
Connections/ Terminals			
depth	69.5 mm		
width	45 mm		
height	111.5 mm		
side-by-side mounting	Yes		
fastening method	clip-on		
number of CO contacts for auxiliary contacts Installation/ mounting/ dimensions	1		
number of NO contacts for auxiliary contacts	1		
number of NC contacts for auxiliary contacts	1		
Auxiliary circuit			
control current at AC rated value	20 mA		
• at AC	2 mA		
control current at minimum control supply voltage			
circuit rated value symmetrical line frequency tolerance	5 Hz		
supply voltage frequency for auxiliary and control	50 60 Hz		
• at 60 Hz full-scale value for signal<0> recognition	15 V		
 control supply voltage at AC at 50 Hz full-scale value for signal<0> recognition 	15 V		
• at 50 Hz	110 V		



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=3RF2990-0GA33

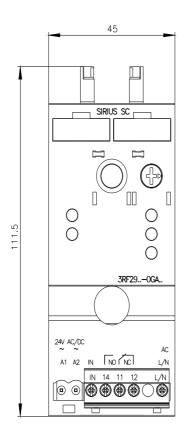
Cax online generator

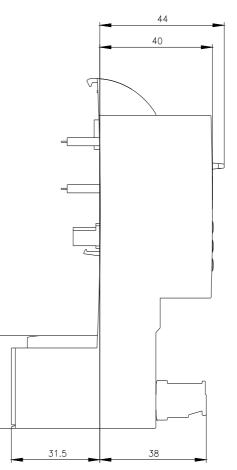
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RF2990-0GA33

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

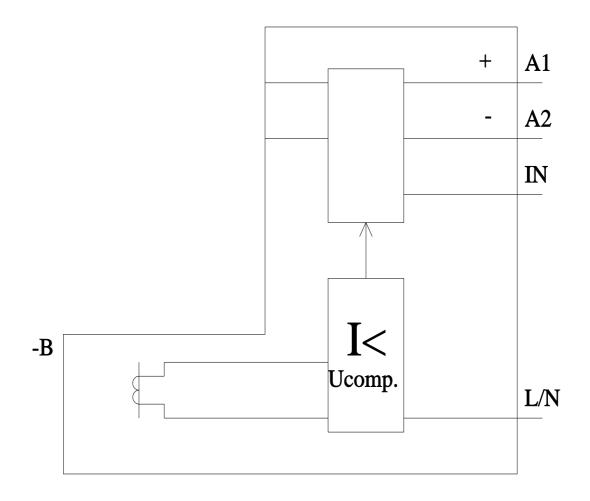
https://support.industry.siemens.com/cs/ww/en/ps/3RF2990-0GA33

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) <u>http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RF2990-0GA33&lang=en</u>





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last modified:

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