SIEMENS

Data sheet 3RF2920-0FA08



LOAD MONITORING BASIS CURRENT RANGE 20A 40 DEGREES C CONTROL VOLTAGE 24 V DC FOR SEMICON. RELAY/CONTACTOR OUTPUT NO

General technical data:					
product brand name		SIRIUS			
Product designation		load monitoring, basis			
Product function		solid-state relay / solid-state contactor 3RF2			
Number of poles for main current circuit		0			
Protection class IP		IP20			
Product designation _1 of the accessories that can be ordered		sealable end cover			
Manufacturer article number _1 of the accessories that can be ordered		3RF2900-0RA88			
Hole diameter of the current transformer	mm	7			
Number of partial loads for load monitoring		6			
Ambient temperature					
 during operation 	°C	-25 +60			
during storage	°C	-55 + 80			
Installation altitude at height above sea level maximum	m	1 000			
Vibration resistance acc. to IEC 60068-2-6		2g			
Shock resistance acc. to IEC 60068-2-27		15g / 11 ms			
Equipment marking acc. to DIN 40719 extended according to IEC 204-2 acc. to IEC 750		A			
Equipment marking acc. to DIN EN 61346-2		В			
Main circuit:					
Number of NO contacts for main contacts		0			
Number of NC contacts for main contacts		0			
Operating current					

Α	20
°C	40
Hz	50 60
%	10
V	600
Α	0.65
Α	0 22
	DC
V	24 24
٧	12
%	10
mA	25
S	0.1 0.1
	0
	0
	0
V	
V	15 24
v	15 24
mA	15 24 1 50
mA	1 50
mA	1 50
mA mV	1 50 1
mA mV	1 50 1
mA mV	1 50 1
mA mV	1 50 1 200
mA mV	1 50 1 200 clip-on
mA mV μA	1 50 1 200 clip-on Yes
mA mV μA	1 50 1 200 clip-on Yes 22.5
mA mV μA	1 50 1 200 clip-on Yes 22.5 101.5
mA mV μA	1 50 1 200 clip-on Yes 22.5 101.5
mA mV μA	1 50 1 200 clip-on Yes 22.5 101.5
mA mV μA	1 50 1 200 clip-on Yes 22.5 101.5 67
	°C Hz % V A A V V S mA s

Type of connectable conductor cross-section		
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 mm²), 2x (0.5 1.0 mm²)
 without core end processing 		1x (0.5 2.5 mm²), 2x (0.5 1.0 mm²)
 for AWG conductors for auxiliary and control contacts 		1x (AWG 20 12)
Connectable conductor cross-section for auxiliary and control contacts		
• solid	mm²	0.5 2.5
• finely stranded		
— with core end processing	mm²	0.5 2.5
 without core end processing 	mm²	0.5 2.5
AWG number as coded connectable conductor cross section for auxiliary and control contacts		12 20
Wire stripping length of the cable for auxiliary and control contacts	mm	7
Tightening torque for auxiliary and control contacts with screw-type terminals	N·m	0.5 0.6
Tightening torque [lbf·in] for auxiliary and control contacts with screw-type terminals	lbf∙in	4.5 5.3

Certificates/ approvals:

General Prod	luct Approval		EMC	Declaration of	Test
				Conformity	Certificates
S	(UL)	EHE	C-TICK	EG-Konf.	Type Test Certificates/Test Report

other

Environmental Confirmations

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

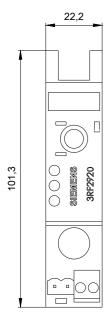
Industry Mall (Online ordering system)

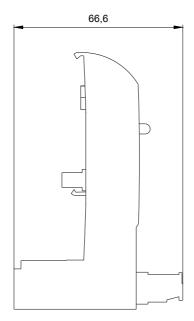
http://www.siemens.com/industrymall

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RF29200FA08

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RF29200FA08&lang=en





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