SIEMENS

Product data sheet 3RF2932-0JA13-1KK0



HEATING CURRENT MONITORING CURRENT RANGE 32 A 40 DEG. C 110-230 V / 24 V AC/DC FOR SOLID STATE RELAY/CONTACTOR REMOTE TEACH / W/O CONTROL CON. CUSTOMIZED VERSION

General technical data:			
product brand name		SIRIUS	
product designation		heating current monitoring	
Product function		solid-state relay / solid-state contactor 3RF2 with standby	
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	17	
Number of partial loads / for load monitoring		6	
Ambient temperature			
during operating	°C	-25 +60	
during storage	°C	-55 +80	
Installation altitude / at a height over sea level / maximum	m	1,000	
Resistance against vibration / according to IEC 60068-2-6		2g	
Resistance against shock / according to IEC 60068-2-27		15g / 11 ms	
Item designation			

 according to DIN 40719 extendable after IEC 204-2 / according to IEC 750 	A
according 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		
• at AC-1 / at 400 V / rated value	Α	32
Derating temperature	°C	40
Operating voltage		
• at 50 Hz / at AC / rated value	V	110 230
• at 60 Hz / at AC / rated value	V	110 230
Working area related to the operating voltage		
• at 50 Hz / for AC	V	93.5 253
• at 60 Hz / for AC	V	93.5 253
Operating frequency		
• rated value	Hz	50 60
Relative symmetrical tolerance / of the operation frequency	%	10
Insulation voltage / rated value	V	600
Kompensation of the mains voltage swing	%	20
Partial load / for load monitoring	А	0.8
Metering range current	А	0 32

Control circuit:			
type of voltage		AC/DC	
Control supply voltage			
• for DC / rated value	V	24 24	
• at 50 Hz / at AC / rated value	V	24 24	
• at 60 Hz / at AC / rated value	V	24 24	
• at 50 Hz / for AC / final value for signal<0>-recognition	V	14	
• at 60 Hz / for AC / final value for signal<0>-recognition	V	14	
• for DC / final value for signal<0>-recognition		15	
Supply voltage frequency / for auxiliary and control current circuit			
• rated value	Hz	50 60	
Tolerance of the line frequency	Hz	5	
Relative symmetrical tolerance / of the supply voltage frequency	%	10	
Control current / for AC / rated value	mA	40	
Control current / for DC / rated value		40	

Response delay time	0.1 3		
Auxiliary circuit:			
Number of NC contacts / for auxiliary contacts		1	
Number of NO contacts / for auxiliary contacts		0	
Number of change-over switches / for auxiliary contacts		0	
Operating voltage / of the auxiliary contacts			
• for AC	V	15 30	
• for DC	V	15 30	
Operating current / of the auxiliary contacts			
• for AC	mA	5 1,000	
• for DC	mA	5 1,000	
Installation/mounting/dimensions:			
Type of mounting		clip-on	
Type of fixing/fixation / series installation		Yes	
Width	mm	45	
Height	mm	111.5	
Depth	mm	69.5	
Connections:			
Design of the electrical connection			
for auxiliary and control current circuit		screw-type terminals	
Design of the thread / of the connection screw / of the auxiliary and control pins		M3	
Type of the 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 conductor end processing 		1x (0.5 2.5 mm²), 2x (0.5 1.0 mm²)	
without conductor final cutting		1x (0.5 2.5 mm²), 2x (0.5 1.0 mm²)	
for AWG conductors / for auxiliary and control contacts		1x (AWG 20 12)	
Conductor cross-section that can be connected / for auxiliary and control contacts			
• solid	mm²	0.5 2.5	
• stranded wire			
• with conductor end processing /	mm²	0.5 2.5	
without conductor final cutting	mm²	0.5 2.5	
AWG number / as coded connectable conductor cross-section			
for auxiliary and control contacts		12 20	
Skinning 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 Product	Approval		EMC	Declaration of Conformity	Test Certificates
SP	P GOST	(Î)	C-TICK	EG-Konf.	Type Test Certificates/Test Report

other

Environmental Confirmations

Further information:

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

http://www.siemens.com/industrial-controls/catalogs

Industry Mall (Online ordering system)

http://www.siemens.com/industrial-controls/mall

CAx-Online-Generator

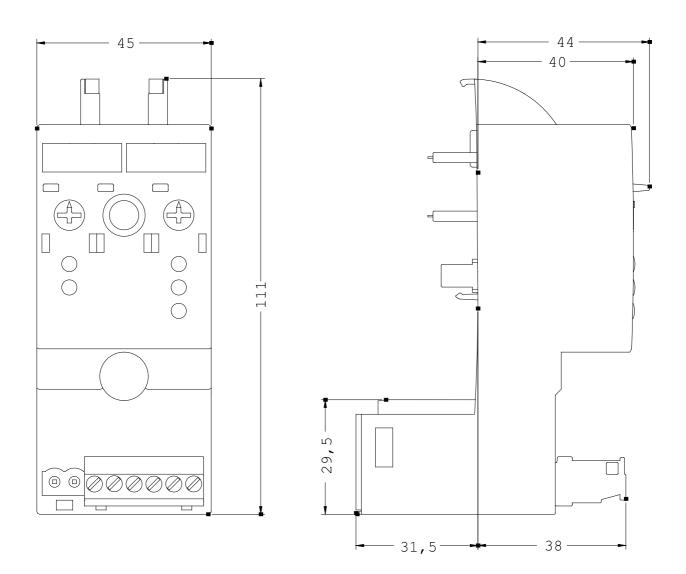
http://www.siemens.com/cax

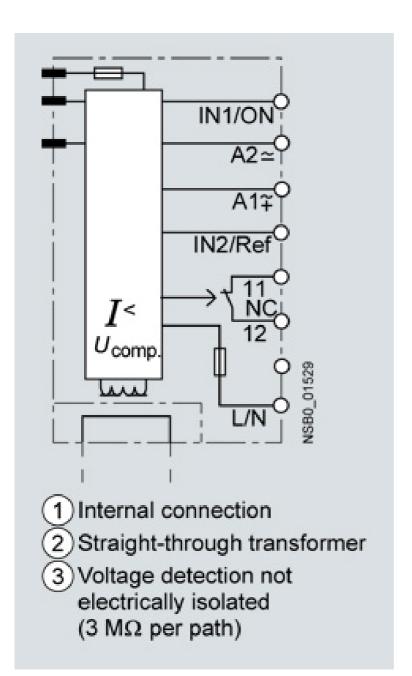
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

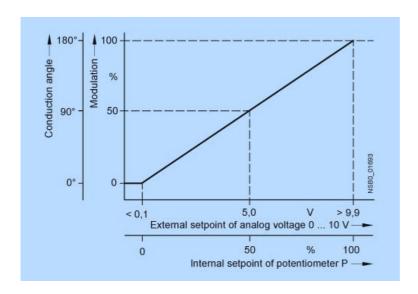
http://support.automation.siemens.com/WW/view/en/3RF2932-0JA13-1KK0/all

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RF2932-0JA13-1KK0







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