SIEMENS

Product data sheet 3RF2920-0HA36



OUTPUT REGULATOR CURRENT RANGE 20 A 40 DEGREES C 400-600 V / 110 V AC TO SEMICON. RELAY/CONTACT. 3RF2

General technical data:		
product brand name		SIRIUS
product designation		power regulator
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
Product designation / _2 / of the accessories that can be ordered		input reactor / 1AC
Manufacturer article number / _2 / of the accessories that can be ordered		4EM5007-7CB00
Hole diameter / of the current transformer	mm	17
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	К	

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	20
Derating temperature	°C	40
Operating voltage		
at 50 Hz / at AC / rated value	V	400 600
at 60 Hz / at AC / rated value	V	400 600
Working area related to the operating voltage		
• at 50 Hz / for AC	V	340 660
• at 60 Hz / for AC	V	340 660
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
Metering range current	Α	0 22

Control circuit:		
type of voltage		AC
Control supply voltage		
at 50 Hz / at AC / rated value	V	110 110
• at 50 Hz / for AC / final value for signal<0>-recognition	V	79
• at 60 Hz / for AC / final value for signal<0>-recognition	V	79
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	20
Operating voltage		
at the analog input	V	-1 +11
Source resistance / at the analog input	Ω	8,000

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	90 121
• for DC	V	90 121
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

Design of the electrical connection • for auxiliary and control current circuit		
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











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

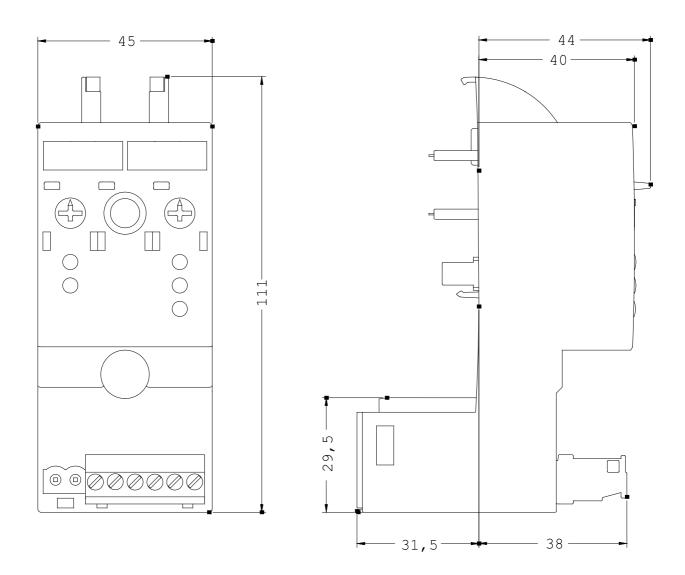
http://www.siemens.com/cax

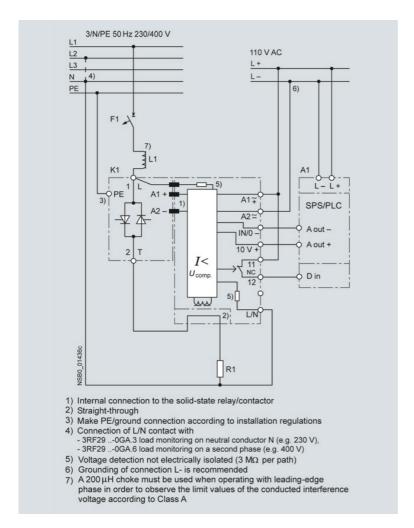
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

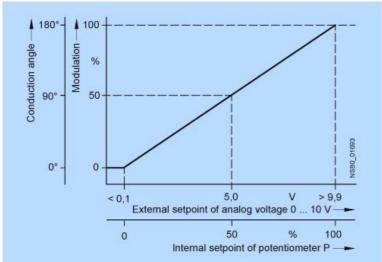
http://support.automation.siemens.com/WW/view/en/3RF2920-0HA36/all

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

 $\underline{\text{http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RF2920-0HA36}}$







last change: Feb 18, 2013