# **SIEMENS**

Product data sheet 3RF2920-0HA13



OUTPUT REGULATOR CURRENT RANGE 20 A 40 DEGREES C 110-230 V / 24 V AC/DC 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		4EM4700-8CB00		
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				

<ul> <li>according to DIN 40719 extendable after IEC 204-2 / according to IEC 750</li> </ul>	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	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
Metering range current	Α	0 22

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	V	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	mA	40
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	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		
<ul> <li>with conductor end processing</li> </ul>		1x (0.5 2.5 mm²), 2x (0.5 1.0 mm²)
<ul> <li>without conductor final cutting</li> </ul>		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		
stranded wire     with conductor end processing /	mm²	0.5 2.5
	mm² mm²	0.5 2.5 0.5 2.5
• with conductor end processing /		
<ul><li>with conductor end processing /</li><li>without conductor final cutting</li></ul>		

• 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**

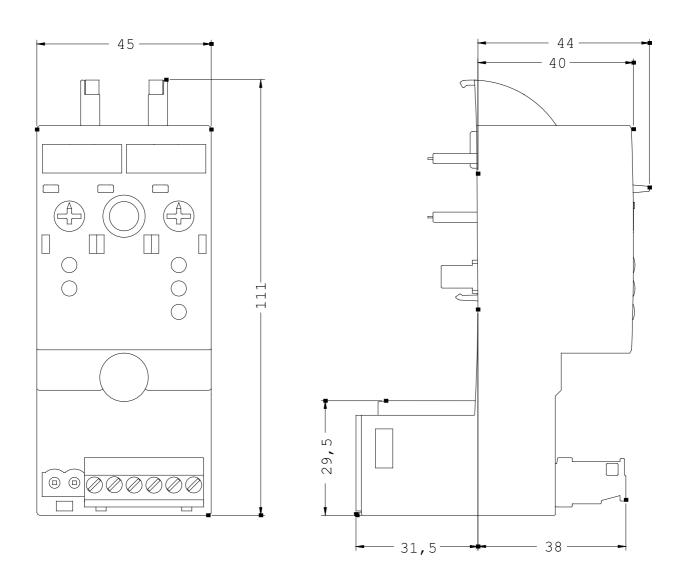
http://www.siemens.com/cax

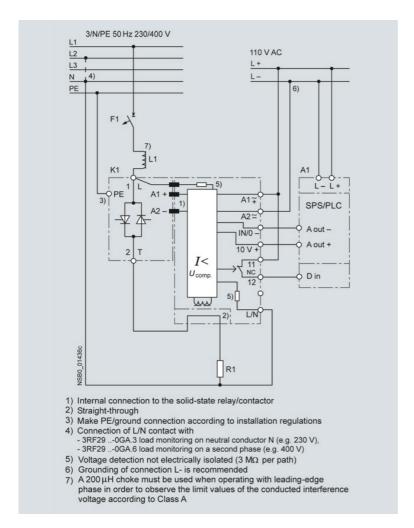
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

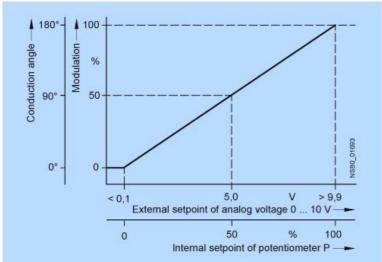
http://support.automation.siemens.com/WW/view/en/3RF2920-0HA13/all

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

http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=3RF2920-0HA13







last change: Feb 18, 2013