SIEMENS

Product data sheet 3RF2904-0KA13-0KT0



POWER CONTROLLER CURRENT RANGE 4A 40 DEG. C 110-230V / 24V AC/DC FOR SOLID STATE RELAY / CONT.

General technical data:		
product brand name		SIRIUS
product designation		power controller
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
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	К

Main circuit:		
Number of NO contacts / for main contacts		0
Number of NC contacts / for main contacts		0
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 4

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		1
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

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

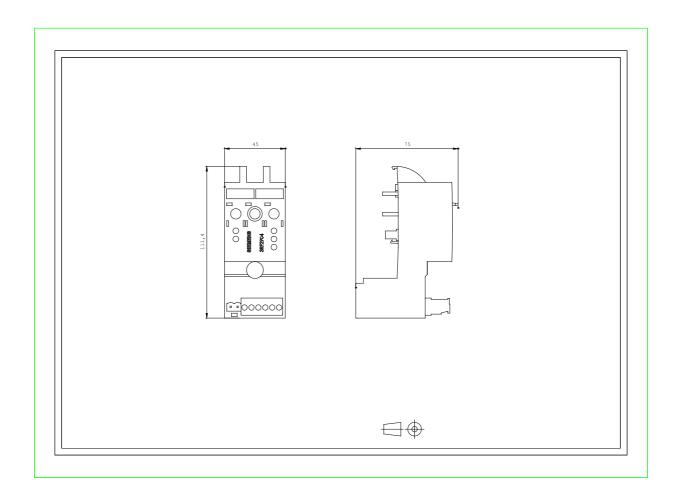
http://www.siemens.com/cax

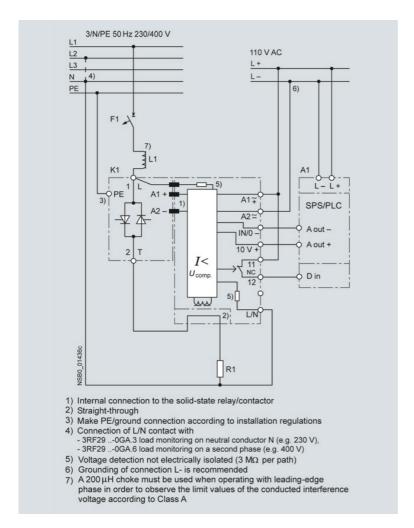
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

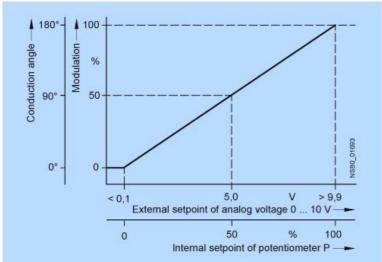
http://support.automation.siemens.com/WW/view/en/3RF2904-0KA13-0KT0/all

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RF2904-0KA13-0KT0







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