SIEMENS

Product data sheet

3RF2330-3AA26



SEMI-COND. CONTACTOR 3RF2,1-PH. AC 51 30 A 40 DEGREES C 48-600 V / 110-230 V AC RING TERMINAL

General technical data:		
Product brand name		SIRIUS
product designation		solid-state contactor
Product function		zero-point switching
Number of poles / for main current circuit		1
Protection class IP		IP20
Product designation / _1 / of the accessories that can be ordered		terminal cover
Manufacturer article number / _1 / of the accessories that can be ordered		<u>3RF2900-3PA88</u>
Product designation / _4 / of the accessories that can be ordered		load monitoring
Manufacturer article number / _4 / of the accessories that can be ordered		<u>3RF2950-0GA36</u>
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 		к
according to DIN EN 61346-2		Q
Number of NC contacts / for auxiliary contacts	_	0
Number of NO contacts / for auxiliary contacts	_	0
Number of change-over switches / for auxiliary contacts	-	0
Main circuit:		
Number of NO contacts / for main contacts	_	1
Number of NC contacts / for main contacts		0
Operating current		
• at AC-1 / at 400 V / rated value	А	30
• at AC-51 / rated value	А	30
Operating current / minimum	mA	500
Operating voltage		
• at 50 Hz / at AC / rated value	V	48 600
• at 60 Hz / at AC / rated value	V	48 600
Working area related to the operating voltage	_	
• at 50 Hz / for AC	V	40 660
• at 60 Hz / for AC	V	40 660
Operating frequency	_	
• rated value	Hz	50 60
Relative symmetrical tolerance / of the operation frequency	%	10
Insulation voltage / rated value	V	600
Voltage slew rate / at the thyristor / for main contacts / maximum permissible	V/µs	1,000
Block voltage / at the thyristor / for main contacts / maximum permissible	V	1,600
Reverse current / of the thyristor	mA	10
Derating temperature	°C	40
Active power loss / total / typical	W	33
Resistance against the impulse current / rated value	A	600
I2t-level / maximum	A²·s	1,800
Control circuit:		
Control supply voltage frequency		
• 1 / rated value	Hz	50
• 2 / rated value	Hz	60
Type of voltage / of the controlled supply voltage		AC
Control supply voltage / 1		
• at 50 Hz / for AC		

initial rated value	V	110
final rated value	V	230
• at 60 Hz / for AC		
initial rated value	V	110
final rated value	V	230
Control supply voltage		
 at 50 Hz / for AC / final value for signal<0>-recognition 	V	40
 at 60 Hz / for AC / final value for signal<0>-recognition 	V	40
Tolerance of the line frequency	Hz	5
Relative symmetrical tolerance / of the supply voltage frequency	%	10
Control current		
 at minimum control supply voltage / for AC 	mA	2
• for AC / rated value	mA	15
Fuse assignments		https://www.automation.siemens.com/cd- static/material/info/3RF21_eng.pdf

Installation/mounting/dimensions:			
Type of mounting		screw and snap-on mounting onto 35 mm standard mounting rail	
Type of fixing/fixation / series installation		Yes	
Design of the thread / of the screw for fastening of the operating resource		M4	
Tightening torque / of the screw for fastening of the operating resource	N∙m	1.5	
Width	mm	45	
Height	mm	100	
Depth	mm	156	

Design of the electrical connection / for main current circuit ring cable connection Design of the thread / of the connection screw / for main M5 contacts Tightening torque / for main contacts • with screw-type terminals N∙m 2 ... 2.5 Type of the connectable conductor cross-section JIS C 2805 R 2-5, 5,5-5, 8-5, 14-5 • for main contacts / for JIS cable lug • for DIN cable lug / for main contacts DIN 46234 -5-2,5, -5-6, -5-10, -5-16, -5-25 • for AWG conductors · for auxiliary and control contacts 1x (AWG 20 ... 12) • 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 cut ting		1x (0.5	2.5 mm2), 2x (0.5 1.0 mm2)
Conductor cross section that can be connected	-		
 for auxiliary and control contacts 			
• solid	mm²	0.5 2	2.5
stranded wire			
 with conductor end processing / minimum 	mm²	0.5 2	2.5
without conductor final cutting	mm²	0.5 2.5	
Design of the electrical connection / for auxiliary and control current circuit		ring cat	ble connection
Design of the thread / of the connection screw / of the auxiliary and control pins		M3	
AWG number / as coded connectable conductor cross-section			
 for auxiliary and control contacts 		20 1	2
Skinning length / of the cable / for main contacts	mm	10	
Skinning length / of the cable / for auxiliary and control contacts	mm	10	
Tightening torque / for auxiliary and control contacts			
with screw-type terminals	N∙m	0.5 0.6	
Tightening torque (Ibf-in) / for auxiliary and control contacts			
with screw-type terminals	lbf∙in	4.5 5.3	
Certificates/approvals:			
General Product Approval	Test Certific	ates	other
	Manufacture	ŗ	Manufacturer

information:	

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

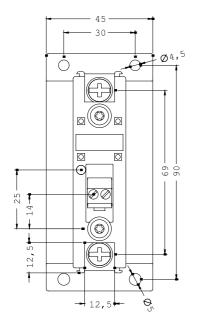
Industry Mall (Online ordering system)

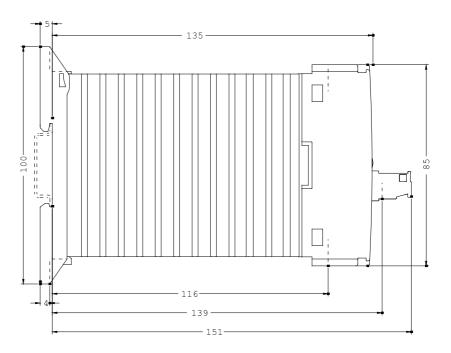
http://www.siemens.com/industrial-controls/mall

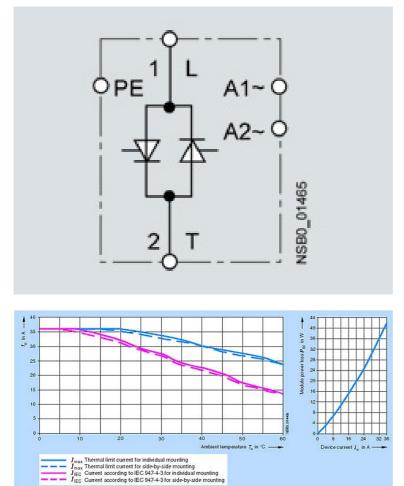
CAx-Online-Generator http://www.siemens.com/cax

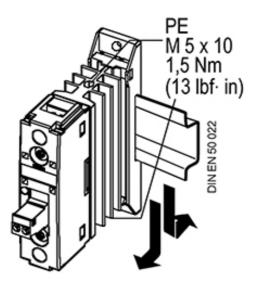
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) http://support.automation.siemens.com/WW/view/en/3RF2330-3AA26/all

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RF2330-3AA26









last change:

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