SIEMENS

Product data sheet 3RF2330-2DA64

SEMI-COND. CONTACTOR 3RF2,1-PH. AC51 30 A $\,$ 40 DEG. C 48-460 V / 110 V DC SHORT CIRC. PROOF UP TO 25 A WITH B-AUTOMAT

General technical data:			
product brand name		SIRIUS	
product designation		solid-state contactor	
Product function		short-circuit resistant with B-automatic device	
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		3RF2900-3PA88	
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	Α	30	
• at AC-51 / rated value	Α	30	
Operating current / of line safety switch / for AC / rated value	Α	25	
Operating current / minimum	mA	500	
Operating voltage			

• at 50 Hz / at AC / rated value	V	48 460
• at 60 Hz / at AC / rated value	V	48 460
Working area related to the operating voltage		
• at 50 Hz / for AC	V	40 506
• at 60 Hz / for AC	V	40 506
Operating frequency		
• rated value	Hz	50 60
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	1,200
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	Α	1,150
I2t-level / maximum	A²-s	6,600

Control circuit:		
Type of voltage / of the controlled supply voltage		DC
Control supply voltage / 1		
• for DC		
• initial rated value	V	77
• final rated value	V	110
Control supply voltage		
 for DC / final value for signal<0>-recognition 	V	40
Control current		
• for DC / rated value	mA	10
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	22.5	
Height	mm	100	
Depth	mm	140.5	

Connections:		
Design of the electrical connection / for main current circuit		spring-loaded terminals
Type of the connectable conductor cross-section		
• for main contacts		
• solid		2x (0.5 2.5 mm²)
• finely stranded		
 with conductor end processing 		2x (0.5 1.5 mm²)
without conductor final cutting		2x (0.5 2.5 mm²)
• for AWG conductors		
• for main contacts		2x (18 14)
for auxiliary and control contacts		1x (AWG 20 12)
for auxiliary and control contacts		
• solid		1x (0.5 2.5 mm²)
• finely stranded		
 with conductor end processing 		0.5 2.5 mm ²
without conductor final cutting		0.5 2.5 mm ²
Conductor cross section that can be connected		
• for main contacts		
• solid	mm²	0.5 2.5
• stranded wire		
 with conductor end processing 	mm²	0.5 1.5
without conductor final cutting	mm²	0.5 2.5
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 main contacts		18 14
Design of the electrical connection / for auxiliary and control current circuit		spring-loaded terminals
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 12
Skinning length / of the cable / for main contacts	mm	10
Skinning length / of the cable / for auxiliary and control contacts	mm	10

Certificates/approvals:

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

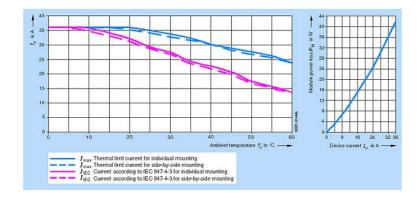
http://www.siemens.com/cax

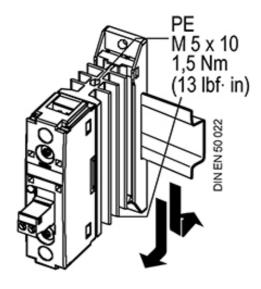
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

http://support.automation.siemens.com/WW/view/en/3RF2330-2DA64/all

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RF2330-2DA64





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