SIEMENS

Data sheet 3RF3403-1BD24



SOLID-STATE CONTACTOR 3-PH 3RF3 AC53 3.8A 40 DEGREES C 48-480V / 110-230V AC REVERSE SWITCHING INSTANTANEOUS SCREW TERMINALS

General technical data:		
product brand name		SIRIUS
Product designation _2 of the accessories that can be ordered		Connection adapter
Product designation _1 of the accessories that can be ordered		Link module
Manufacturer's article number		
_1 of the accessories that can be ordered		3RA2921-1BA00
_2 of the accessories that can be ordered		3RF3900-0QA88
Protection class IP		IP20
Insulation voltage rated value	V	600
Installation altitude at height above sea level maximum	m	1 000
Ambient temperature		
during storage	°C	-55 + 80
during operation	°C	-25 +60
Shock resistance acc. to IEC 60068-2-27		15g / 11 ms
Vibration resistance acc. to IEC 60068-2-6		2g
Surge current resistance rated value	Α	600

W	7
	К
	Q
	reversing switch
	3
	2
Hz	60 50
V	48 480
V	48 480
mA	500
Α	3.8
V	40 506
V	40 506
kW	1.5
°C	40
Hz	5
%	10
A²·s	1 800
V/µs	1 000
V	1 200
mA	10
	AC
Hz	50
Hz	60
%	10
%	10 10
	Hz V V mA A V V kW °C Hz % V/ µs V mA

 at 60 Hz Initial rated value 	V	90
— at 60 Hz Final rated value	V	253
Control supply voltage at AC		
 at 50 Hz Full-scale value for signal<0> recognition 	V	40
 at 60 Hz Full-scale value for signal<0> recognition 	V	40
Control current		
at AC rated value	mA	15
 at minimum control supply voltage 		
— at AC	mA	2
Switchover delay of reversing contactor	ms	50 100
switching times		
ON delay		20 ms
OFF delay		10 ms + in addition max. one half-wave

Installation/ mounting/ dimensions:		
Mounting position		vertical
Mounting type		screw and snap-on mounting onto 35 mm standard mounting rail
Mounting type Side-by-side mounting		Yes
Tightening torque of the screw for securing the equipment	N·m	1.5
Design of the thread of the screw for securing the equipment		M4
Width	mm	45
Height	mm	95
Depth	mm	113.8
Required spacing with side-by-side mounting		
• upwards	mm	70
• downwards	mm	50

Connections/ Terminals:	
Type of electrical connection	
• for main current circuit	screw-type terminals
 for auxiliary and control current circuit 	screw-type terminals
Design of the thread of the connection screw	
• for main contacts	M4
 of the auxiliary and control contacts 	M3
Product function removable terminal for auxiliary and control circuit	Yes
Type of connectable conductor cross-sections	
• for main contacts	
— solid	2x (1.5 2.5 mm²), 2x (2.5 6 mm²)

— finely stranded		
 with core end processing 		2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm²
• at AWG conductors		
— for main contacts		2x (14 10)
 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 core end processing 		1x (0.5 2.5 mm²), 2x (0.5 1.0 mm²)
 — without core end processing 		1x (0.5 2.5 mm²), 2x (0.5 1.0 mm²)
Tightening torque		
• for main contacts with screw-type terminals	N·m	2 2.5
 for auxiliary and control contacts with screw- 	N·m	0.5 0.6
type terminals		
Tightening torque [lbf-in]		
 for main contacts with screw-type terminals 	lbf·in	18 22
 for auxiliary and control contacts with screw- 	lbf·in	7.5 5.3
type terminals		
Wire stripping length of the cable		
• for main contacts	mm	10
 for auxiliary and control contacts 	mm	7
UL/CSA ratings:		
Full-load current (FLA) for three-phase AC motor		
• at 480 V rated value	Α	3.4
Yielded mechanical performance [hp] for three-phase		
AC motor		
• at 200/208 V rated value	hp	0.5

hp

hp

0.75

2

Certificates/ approvals:

at 220/230 V rated valueat 460/480 V rated value

General Product Approval EMC Declaration of Conformity













Test Certificates	
prüfbescheinigu /Werkszeugnis	Bestätigung

Further information

Information- and Downloadcenter (Catalogs, Brochures,...)

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

Industry Mall (Online ordering system)

http://www.siemens.com/industrymall

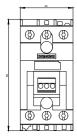
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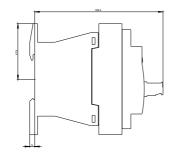
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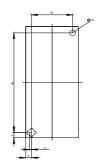
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

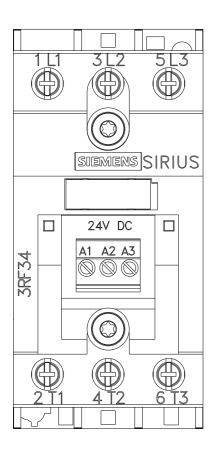
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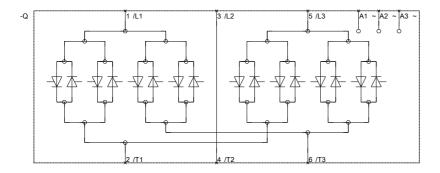
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RF34031BD24&lang=en











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