SIEMENS

Data sheet 3RF24 40-1AB45



SEMI-CONDUCTOR CONTAC.3-PH.3RF2 AC51 40A 40 DEG. C 48-600V / 4-30V DC 2-PHASE CONTROLLED SCREW TERMINAL BLOCKING VOLTAGE 1200V

General technical data:		
product brand name		SIRIUS
Product designation		solid-state contactor
Product function		zero-point switching
Number of poles for main current circuit		3
Protection class IP		IP20
Product designation _2 of the accessories that can be ordered		converter
Manufacturer article number _2 of the accessories that can be ordered		3RF2900-0EA18
Ambient temperature		
during operation	°C	-25 +60
during storage	°C	-55 + 80
Installation altitude at height above sea level maximum	m	1 000
Vibration resistance acc. to IEC 60068-2-6		2g
Shock resistance acc. to IEC 60068-2-27		15g / 11 ms
Equipment marking acc. to DIN 40719 extended according to IEC 204-2 acc. to IEC 750		К
Equipment marking acc. to DIN EN 61346-2		Q
Number of NC contacts for auxiliary contacts		0
Number of NO contacts for auxiliary contacts		0
Number of CO contacts for auxiliary contacts		0
Main circuit:		
Number of NO contacts for main contacts		2
Number of NC contacts for main contacts		0

	M4
	Yes
	screw fixing
mA	30
mA	2
Hz	5
V	1
V	1
V	4 30
V	4 20
	DC
	200
V	1 600
V/µs	1 000
V	600
%	10
Hz	50 60
V	40 660
V	40 660
_	
	48 600
V	48 600
A²·s	6 600
	1 150
	500
°C	40
mA	10
Α	40
	mA °C mA A A²-s V V V Hz % V V/µs V V Hz

equipment

equipment

Tightening torque of the screw for securing the

1.5

 $N \cdot m$

Width	mm	113.5
Height	mm	100
Depth	mm	121

Connections/ Terminals:			
Type of electrical connection for main current circuit		screw-type terminals	
Design of the thread of the connection screw for main		M4	
contacts			
Tightening torque for main contacts with screw-type	N·m	2 2.5	
terminals			
Tightening torque [lbf·in] for main contacts with screw-type terminals	lbf∙in	18 22	
Type of connectable conductor cross-section			
• 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	
 for 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)	
Connectable conductor cross-section			
• for main contacts			
single or multi-stranded	mm²	1.5 6	
— finely stranded			
— with core end processing	mm²	1 10	
 for auxiliary and control contacts 			
— solid	mm²	0.5 2.5	
— finely stranded			
 — with core end processing 	mm²	0.5 2.5	
 — without core end processing 	mm²	0.5 2.5	
AWG number as coded connectable conductor cross		14 10	
section for main contacts			
Type of electrical connection for auxiliary and control current circuit		screw-type terminals	
Design of the thread of the connection screw of the auxiliary and control contacts		МЗ	
AWG number as coded connectable conductor cross section for auxiliary and control contacts		20 12	
Wire stripping length of the cable			

• for main contacts	mm	7
 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	7.5 5.3

Certificates/ approvals:

General Prod	luct Approval		EMC	Declaration of Conformity	Test Certificates
(T)		ГПГ		CC	Type Test Certificates/Test

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/industrymall

Cax online generator

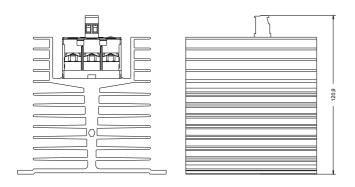
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RF24401AB45

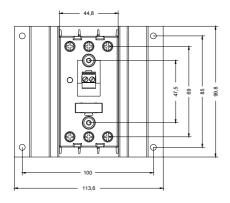
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

http://support.automation.siemens.com/WW/view/en/3RF24401AB45/all

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/index.aspx?attlD9=3RF24401AB45&lang=en

Report





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