# **SIEMENS**

## Data sheet

## 3RF23 70-3BA26



SEMI-COND. CONTACTOR 3RF2,1-PH. AC 51 70A/AC15 27.5A 40 DEG. C 48-600 V / 110-230 V AC INSTANTANEOUS SWITCHING

General technical data:		
product brand name		SIRIUS
Product designation		solid-state contactor
Product function		instantaneous 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 _2 of the accessories that can be ordered		power regulator
Manufacturer article number _2 of the accessories that can be ordered		<u>3RF2990-0HA36</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>3RF2990-0GA36</u>
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

	Q
	0
	0
	0
	0
	1
	0
	70
A	70
mA	500
V	48 600
V	48 600
V	40 660
V	40 660
Hz	50 60
	600
V/µs	1 000
V	1 600
mA	10
°C	40
W	83
А	1 150
A²∙s	6 600
Hz	50
Hz	60
	AC
V	110
V	230
V	110
V	230
	mA         V         V         V         V         V         V         V         V         V         V         MA         °C         W         A         A <sup>2</sup> ·s         Hz         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V

<ul> <li>— at 50 Hz Full-scale value for signal&lt;0&gt; recognition</li> </ul>	V	40
— at 60 Hz Full-scale value for signal<0> recognition	V	40
Symmetrical line frequency tolerance	Hz	5
Control current		
<ul> <li>at minimum control supply voltage</li> </ul>		
— with AC	mA	2
<ul> <li>with AC Rated value</li> </ul>	mA	15

Installation/ mounting/ dimensions:			
Mounting type		screw fixing	
Mounting type Side-by-side mounting		Yes	
Design of the thread of the screw for securing the equipment		M4	
Tightening torque of the screw for securing the equipment	N∙m	1.5	
Width	mm	135	
Height	mm	100	
Depth	mm	157.5	

Connections/ Terminals:				
Type of electrical connection for main current circuit		ring cable connection		
Design of the thread of the connection screw for main contacts		M5		
Tightening torque for main contacts with screw-type terminals	N∙m	2 2.5		
Type of connectable conductor cross-section for main contacts				
<ul> <li>for JIS cable lug</li> </ul>		JIS C 2805 R 2-5, 5,5-5, 8-5, 14-5		
Type of connectable conductor cross-section				
<ul> <li>for DIN cable lug for main contacts</li> </ul>		DIN 46234 -5-2,5, -5-6, -5-10, -5-16, -5-25		
<ul> <li>for AWG conductors</li> </ul>				
— for auxiliary and control contacts		1x (AWG 20 12)		
Type of connectable conductor cross-section for				
auxiliary and control contacts				
• solid		1x (0.5 2.5 mm²), 2x (0.5 1.0 mm²)		
<ul> <li>finely stranded</li> </ul>				
— 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				
<ul> <li>for auxiliary and control contacts</li> </ul>				
— 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
Type of electrical connection for auxiliary and control current circuit		ring cable connection
Design of the thread of the connection screw of the auxiliary and control contacts		M3
AWG number as coded connectable conductor cross section for auxiliary and control contacts		20 12
Wire stripping length of the cable		
<ul> <li>for main contacts</li> </ul>	mm	10
<ul> <li>for auxiliary and control contacts</li> </ul>	mm	10
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 Prod	uct Approval		EMC	Declaration of	Test
				Conformity	Certificates
CSA		EHC	С-тіск	EG-Konf.	<u>Type Test</u> <u>Certificates/Test</u> <u>Report</u>

### other

Environmental Confirmations

Further information

Short-circuit protection, design of the fuse link https://www.automation.siemens.com/cd-static/material/info/3RF23\_eng.pdf

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

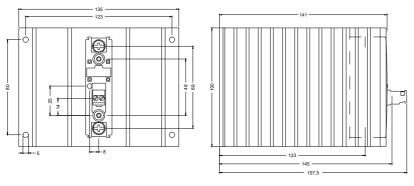
Industry Mall (Online ordering system) http://www.siemens.com/industrymall

#### Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RF23703BA26

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) http://support.automation.siemens.com/WW/view/en/3RF23703BA26/all

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RF23703BA26&lang=en



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