## **SIEMENS**

Data sheet 3RF3405-2BB24



SOLID-STATE CONTACTOR 3-PH 3RF3 AC53 5.2A 40 DEGREES C 48-480V / 110-230V AC 2-PH. CONTROLLED INSTANTANEOUS SPRING-LOADED TERMINALS

product brandname		SIRIUS	
Protection class IP		IP20	
Insulation voltage rated value	V	600	
Installation altitude at height above sea level	m	1 000	
maximum			
Ambient temperature			
during storage	°C	-55 <b>+</b> 80	
<ul><li>during operation</li></ul>	°C	-25 <b>+</b> 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	200	
Power loss [W] total typical	W	10	
Equipment marking acc. to DIN 40719 extended		K	
according to IEC 204-2 acc. to IEC 750			
Equipment marking acc. to DIN EN 61346-2		Q	
Product function		instantaneous switching	

Main circuit			
Number of poles for main current circuit	3		

	2
Hz	60 50
V	48 480
V	48 480
mA	100
Α	5.2
V	40 506
V	40 506
kW	2.2
°C	40
Hz	5
%	10
A²·s	200
V/µs	1 000
V	1 200
mA	10
	AC
Hz	50
Hz	60
%	10
%	10
V	90
V	253
V	90
V	253
V	90
V	40
	V V mA A  V V kW °C Hz % A²·s V/µs V mA  Hz Hz V V V V

<ul> <li>at 60 Hz Full-scale value for signal&lt;0&gt; recognition</li> </ul>	V	40
Control current		
• at AC rated value	mA	15
<ul> <li>at minimum control supply voltage</li> </ul>		
— at AC	mA	2
switching times		
ON delay		5 ms
● OFF delay		30 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	100.8
Required spacing with side-by-side mounting		
• upwards	mm	70
<ul><li>downwards</li></ul>	mm	50

Connections/Terminals	
Type of electrical connection	
for main current circuit	spring-loaded terminals
<ul> <li>for auxiliary and control current circuit</li> </ul>	spring-loaded terminals
Product function removable terminal for auxiliary and control circuit	Yes
Type of connectable conductor cross-sections	
• for main contacts	
— solid	2x (0.5 2.5 mm²)
— finely stranded	
<ul> <li>— with core end processing</li> </ul>	2x (0.5 1.5 mm²)
<ul> <li>— without core end processing</li> </ul>	2x (0.5 2.5 mm²)
<ul> <li>at AWG conductors</li> </ul>	
— for main contacts	2x (18 14)
<ul> <li>for auxiliary and control contacts</li> </ul>	1x (AWG 20 12)
<ul> <li>for auxiliary and control contacts</li> </ul>	
— solid	0.5 1.5 mm <sup>2</sup>
— finely stranded	

<ul> <li>— with core end processing</li> </ul>		0.5 2.5 mm²
<ul> <li>— without core end processing</li> </ul>		0.5 2.5 mm²
Wire stripping length of the cable		
• for main contacts	mm	10
<ul> <li>for auxiliary and control contacts</li> </ul>	mm	10

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
• at 220/230 V rated value	hp	0.75
• at 460/480 V rated value	hp	2

## Certificates/approvals

General Product Approval	EMC	Declaration of
		Conformity













Test Certificates	other	
Type Test Certificates/Test	Environmental Confirmations	Confirmation
Report		

## Further information

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

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

Industry Mall (Online ordering system)

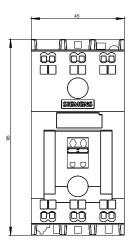
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RF3405-2BB24

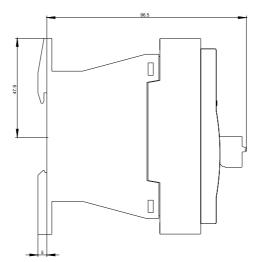
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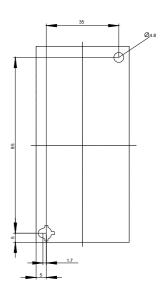
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RF3405-2BB24

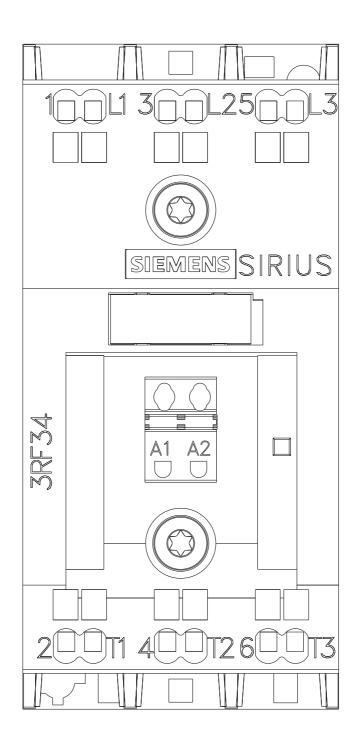
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3RF3405-2BB24

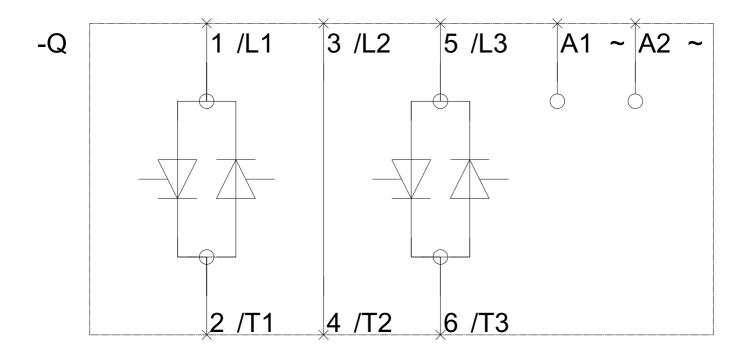
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RF3405-2BB24&lang=en











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