

REPLACEMENT CONTROL CONNECTOR FOR  
3RF20/21/22/3RF23/24 SCREW TYPE TERMINAL  
COLOR GRAY MARKING A1 A2

General technical data:		
product brand name		SIRIUS
Product designation		control plug
Product function		solid-state relay / solid-state contactor 3RF2
Ambient temperature		
• 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		X
Equipment marking acc. to DIN EN 61346-2		X
Main circuit:		
Derating temperature	°C	40
Operating frequency Rated value	Hz	50 ... 60
Auxiliary circuit:		
Number of CO contacts for auxiliary contacts		0
Installation/ mounting/ dimensions:		
Mounting type		clip-on
Mounting type Side-by-side mounting		Yes
Width	mm	10
Connections/ Terminals:		
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		M3
Type of connectable conductor cross-section		
• for auxiliary and control contacts		
— solid		1x (0.5 ... 2.5 mm <sup>2</sup> ), 2x (0.5 ... 1.0 mm <sup>2</sup> )
— finely stranded		
— with core end processing		1x (0.5 ... 2.5 mm <sup>2</sup> ), 2x (0.5 ... 1.0 mm <sup>2</sup> )
— without core end processing		1x (0.5 ... 2.5 mm <sup>2</sup> ), 2x (0.5 ... 1.0 mm <sup>2</sup> )

<ul style="list-style-type: none"> <li>• for AWG conductors for auxiliary and control contacts</li> </ul>		1x (AWG 20 ... 12)
<b>Connectable conductor cross-section for auxiliary and control contacts</b>		
<ul style="list-style-type: none"> <li>• solid</li> </ul>	mm <sup>2</sup>	0.5 ... 2.5
<ul style="list-style-type: none"> <li>• finely stranded</li> </ul>		
— with core end processing	mm <sup>2</sup>	0.5 ... 2.5
— without core end processing	mm <sup>2</sup>	0.5 ... 2.5
<b>AWG number as coded connectable conductor cross section for auxiliary and control contacts</b>		12 ... 20
<b>Wire stripping length of the cable for auxiliary and control contacts</b>	mm	7
<b>Tightening torque for auxiliary and control contacts with screw-type terminals</b>	N·m	0.5 ... 0.6
<b>Tightening torque [lbf·in] for auxiliary and control contacts with screw-type terminals</b>	lbf·in	4.5 ... 5.3

#### Certificates/ approvals:

General Product Approval

other

[Umweltbestätigung](#)



#### 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=3RF29001TA88>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RF29001TA88>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RF29001TA88&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RF29001TA88&lang=en)

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