

CONVERTER CONTROL VOLTAGE 24 V UC FOR SEMI-COND. RELAY/CONT. 3RF2



General technical data		
product brandname		SIRIUS
Product designation		converter
Product function		solid-state relay / solid-state contactor 3RF2
Number of poles for main current circuit		0
Protection class IP		IP20
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		U
Equipment marking acc. to DIN EN 61346-2		T
Main circuit		
Number of NO contacts for main contacts		0
Number of NC contacts for main contacts		0

Derating temperature	°C	40
Operating frequency rated value	Hz	50 ... 60
Relative symmetrical tolerance of the operating frequency	%	10

#### Control circuit/ Control

Type of voltage		AC/DC
Control supply voltage		
<ul style="list-style-type: none"> <li>• at DC <ul style="list-style-type: none"> <li>— rated value</li> </ul> </li> <li>• at AC <ul style="list-style-type: none"> <li>— at 50 Hz <ul style="list-style-type: none"> <li>— rated value</li> </ul> </li> <li>— at 60 Hz <ul style="list-style-type: none"> <li>— rated value</li> </ul> </li> </ul> </li> </ul>	V	18 ... 30
	V	20.5 ... 26.5
	V	20.5 ... 26.5
Supply voltage frequency for auxiliary and control current circuit rated value	Hz	50 ... 60
Symmetrical line frequency tolerance	Hz	5
Relative symmetrical tolerance of the supply voltage frequency	%	10
Control current		
<ul style="list-style-type: none"> <li>• at AC rated value</li> <li>• at DC rated value</li> </ul>	mA	25
	mA	25
Operating voltage at the analog input	V	-2 ... +10
Source resistance at the analog input	Ω	100 000

#### Auxiliary circuit

Number of NC contacts for auxiliary contacts		0
Number of NO contacts for auxiliary contacts		0
Number of CO contacts for auxiliary contacts		0

#### Installation/ mounting/ dimensions

Mounting type		clip-on
Mounting type Side-by-side mounting		Yes
Width	mm	22.5
Height	mm	83.5
Depth	mm	38

#### Connections/Terminals

Type of electrical connection		
<ul style="list-style-type: none"> <li>• for auxiliary and control current circuit</li> </ul>		screw-type terminals
Design of the thread of the connection screw of the auxiliary and control contacts		M3
Type of connectable conductor cross-sections		
<ul style="list-style-type: none"> <li>• for auxiliary and control contacts <ul style="list-style-type: none"> <li>— solid</li> </ul> </li> </ul>		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>— finely stranded</li> <li>— with core end processing</li> <li>— without core end processing</li> <li>• at AWG conductors for auxiliary and control contacts</li> </ul>		<p>1x (0.5 ... 2.5 mm<sup>2</sup>), 2x (0.5 ... 1.0 mm<sup>2</sup>)</p> <p>1x (0.5 ... 2.5 mm<sup>2</sup>), 2x (0.5 ... 1.0 mm<sup>2</sup>)</p> <p>1x (AWG 20 ... 12)</p>
<b>Connectable conductor cross-section for auxiliary and control contacts</b> <ul style="list-style-type: none"> <li>• solid</li> <li>• finely stranded <ul style="list-style-type: none"> <li>— with core end processing</li> <li>— without core end processing</li> </ul> </li> </ul>	mm <sup>2</sup>  mm <sup>2</sup> mm <sup>2</sup>	0.5 ... 2.5  0.5 ... 2.5 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

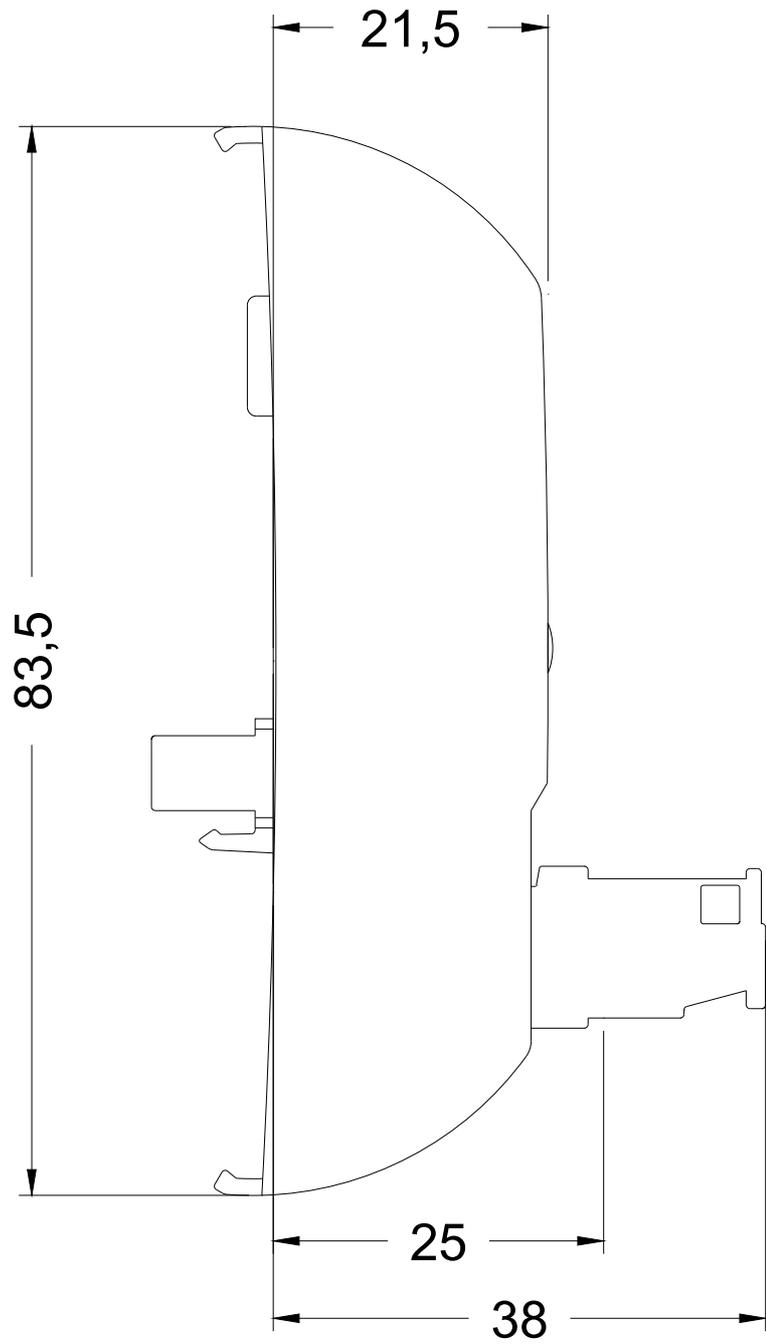
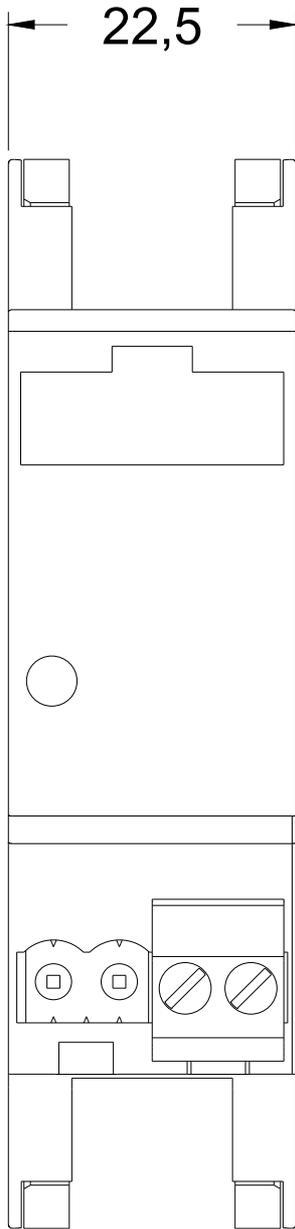
General Product Approval	EMC	Declaration of Conformity	Test Certificates
 CSA	 UL	 EAC	 C-Tick
		 EG-Konf.	<a href="#">Type Test Certificates/Test Report</a>

### other

- [Environmental Confirmations](#)
- [Confirmation](#)

### 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=3RF2900-0EA18>
- Cax online generator**  
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RF2900-0EA18>
- Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**  
<https://support.industry.siemens.com/cs/ww/en/ps/3RF2900-0EA18>
- Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)**  
[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RF2900-0EA18&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RF2900-0EA18&lang=en)



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