## **SIEMENS**

Data sheet 3RF21 90-1AA22



SEMICOND. RELAY 3RF2, 1-PHASE WIDTH 22.5 MM, 90 A 24-230 V / 110-230 V AC SCREW TERMINAL

General technical data:		
product brand name		SIRIUS
Product designation		solid-state relay
Product function		zero-point 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		3RF2900-3PA88
Product designation _2 of the accessories that can be ordered		power regulator
Manufacturer article number _2 of the accessories that can be ordered		3RF2990-0HA33
Product designation _4 of the accessories that can be ordered		load monitoring
Manufacturer article number _4 of the accessories that can be ordered		3RF2990-0GA33
Ambient temperature		
<ul> <li>during operation</li> </ul>	°C	-25 +60
<ul> <li>during storage</li> </ul>	°C	-55 <b>+</b> 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		K

Number of NC contacts for auxiliary contacts Number of NO contacts for auxiliary contacts Number of CO contacts for auxiliary contacts Number of CO contacts for main contacts Number of NC contacts for main contacts Operating current  • Rated value maximum • at AC-51 Rated value • minimum  Operating voltage with AC • at 50 Hz Rated value • at 60 Hz Rated value • at 60 Hz •	Equipment marking acc. to DIN EN 61346-2		Q
Number of NO contacts for auxiliary contacts Number of CO contacts for main contacts  Varian circuit:  Number of NO contacts for main contacts  Number of NO contacts for main contacts  Operating current  Rated value maximum  Rated value  Rate of valtage rise at the thyristor for main contacts maximum permissible  Reverse current of the thyristor for main contacts maximum permissible  Reverse current of the thyristor  Rated value  Rated			
Number of CO contacts for auxiliary contacts  Main circuit:  Number of NC contacts for main contacts  0 Operating oursent  • Rated value maximum  • at AC-51 Rated value  • at finitum  Operating valtage with AC  • at 50 Hz Rated value  • at 60 Hz  • at 50 Hz  • at 60 Hz  • at 50 Hz  • at 60 Hz	· · · · · · · · · · · · · · · · · · ·		
Number of NO contacts for main contacts  Number of NC contacts for main contacts  Operating current  • Rated value maximum • at AC-51 Rated value • minimum  Operating voltage with AC • at 50 Hz Rated value • at 60 Hz Rated value  • at 60 Hz Rated value • at 50 Hz • at 50 Hz • at 50 Hz • at 50 Hz  • at 50	<u> </u>		0
Number of NO contacts for main contacts   1   1   1   1   1   1   1   1   1	·		
Number of NC contacts for main contacts   0	Main circuit:		
Operating current  • Rated value maximum  • at AC-51 Rated value • minimum  mA  500  Operating voltage with AC • at 50 Hz Rated value • at 60 Hz Rated value • at 60 Hz Rated value  • at 50 Hz Rated value  • at 50 Hz • at 50 Hz • at 60 Hz  • at 50 Hz  • at 50 Hz  • at 60			
Rated value maximum  at AC-51 Rated value  minimum  mA  500  Operating voltage with AC  at 50 Hz Rated value  v 24 230  Operating range relative to the operating voltage with AC  at 50 Hz  at 50 Hz  v 24 230  Operating range relative to the operating voltage with AC  at 50 Hz  at 60 Hz  V 20 253  Operating frequency Rated value  Hz  So 60  Relative symmetrical tolerance of the operating frequency  Insulation voltage Rated value  Rate of voltage rise at the thyristor for main contacts maximum permissible  Blocking voltage at the thyristor for main contacts maximum permissible  Reverse current of the thyristor  Reverse current of the thyristor  Part of voltage rise at the thyristor  Active power loss total typical  Apparent power loss maximum  V:A  At 118  Surge current resistance Rated value  A 1 150  Izt value maximum  Short-circuit protection, design of the fuse link  Sontrol circuit/ Control:  Control supply voltage frequency  1 Rated value  1 V 110			0
■ at AC-51 Rated value     ■ minimum		•	22
• minimum  Operating voltage with AC  • at 50 Hz Rated value  • at 60 Hz Rated value  Operating range relative to the operating voltage with AC  • at 50 Hz  • at 60 Hz  V 20 253  Operating frequency Rated value  Relative symmetrical tolerance of the operating frequency  Insulation voltage Rated value  Rate of voltage rise at the thyristor for main contacts maximum permissible  Blocking voltage at the thyristor for main contacts maximum permissible  Reverse current of the thyristor  Brain the thyristor  MA 10  Derating temperature  °C 40  Active power loss total typical  Botal			
Operating voltage with AC	• at AC-51 Rated value	Α	
* at 50 Hz Rated value     * at 60 Hz Rated value     V 24 230  Operating range relative to the operating voltage with AC      * at 50 Hz     * at 50 Hz     * at 60 Hz     * at 60 Hz  Operating frequency Rated value     * at 60 Hz  Operating frequency Rated value     * at 60 Hz  Operating frequency Rated value  Hz  50 60  Relative symmetrical tolerance of the operating frequency  Insulation voltage Rated value  V  600  Rate of voltage rise at the thyristor for main contacts maximum permissible  Blocking voltage at the thyristor for main contacts  maximum permissible  Reverse current of the thyristor  Derating temperature  *C  40  Active power loss total typical  Apparent power loss maximum  V:A  118  Surge current resistance Rated value  A  12 value maximum  Short-circuit/ Control:  Control supply voltage frequency  *1 Rated value  *2 Rated value  Hz  60  Type of voltage of the control supply voltage  Control supply voltage 1  * with AC  — at 50 Hz Initial rated value  V  24 230  24 230  24 230  24 230  24 230  24 230  24 230  26 253  27 253  40 26 26  80 80  80		mA	500
at 60 Hz Rated value  Operating range relative to the operating voltage with AC  at 50 Hz  at 60 Hz  Operating frequency Rated value  Operating frequency Rated value  Relative symmetrical tolerance of the operating frequency  Insulation voltage Rated value  Rate of voltage rise at the thyristor for main contacts maximum permissible  Blocking voltage at the thyristor for main contacts maximum permissible  Reverse current of the thyristor  Derating temperature  Active power loss total typical  Apparent power loss maximum  V-A  At 118  Surge current resistance Rated value  A 1 150  Izt value maximum  Short-circuit/ Controls  Control supply voltage frequency  1 Rated value  2 Rated value  4 A 60  Type of voltage of the control supply voltage  Control supply voltage 1  • with AC  — at 50 Hz Initial rated value  V 22 230  V 22 253  V 20 253  V 30 60  Rate 30 40  V 800  ***  ***  ***  ***  ***  **  **  **	Operating voltage with AC		
Operating range relative to the operating voltage with AC  • at 50 Hz • at 60 Hz  Operating frequency Rated value  Relative symmetrical tolerance of the operating frequency  Rate of voltage Rated value  Rate of voltage rise at the thyristor for main contacts maximum permissible  Blocking voltage at the thyristor for main contacts maximum permissible  Reverse current of the thyristor  Derating temperature  Control supply voltage Rated value  A 1150  Surge current resistance Rated value  A 2 s 6 600  Control supply voltage frequency  1 Rated value  2 Rated value  A 2 S AcC  Control supply voltage of the control supply voltage  Control supply voltage 1  • with AC  — at 50 Hz Initial rated value  V 20 253  Do 60  Rou Sol	● at 50 Hz Rated value		_ · · · · _ · ·
AC  • at 50 Hz • at 60 Hz  Operating frequency Rated value  Relative symmetrical tolerance of the operating frequency  Rate of voltage Rated value  Rate of voltage rise at the thyristor for main contacts maximum permissible  Blocking voltage at the thyristor for main contacts maximum permissible  Reverse current of the thyristor  Derating temperature  Active power loss total typical  Apparent power loss maximum  Surge current resistance Rated value  A 1150  Izt value maximum  A <sup>2</sup> s 6 600  Short-circuit protection, design of the fuse link  Control supply voltage frequency  • 1 Rated value  • 2 Rated value  Hz 50  - 2 Rated value  Type of voltage of the control supply voltage  Control supply voltage 1  • with AC  — at 50 Hz Initial rated value  V 20 253  V 20 253  0 60  Rou. 253  10  10  10  10  10  10  10  10  10  1	● at 60 Hz Rated value	V	24 230
• at 60 Hz  Operating frequency Rated value  Relative symmetrical tolerance of the operating frequency  Insulation voltage Rated value  Rate of voltage rise at the thyristor for main contacts maximum permissible  Blocking voltage at the thyristor for main contacts maximum permissible  Reverse current of the thyristor  Breverse current of the thyristor  Control supply voltage frequency  1 Rated value  1 V V V V V V V V V V V V V V V V V V			
Operating frequency Rated value Relative symmetrical tolerance of the operating frequency Insulation voltage Rated value V 600 Rate of voltage rise at the thyristor for main contacts maximum permissible Blocking voltage at the thyristor for main contacts Maximum permissible Reverse current of the thyristor MA 10 Derating temperature C 40 Active power loss total typical Apparent power loss maximum V A 118 Surge current resistance Rated value A 1150 I2t value maximum A2-s 6 600 Short-circuit protection, design of the fuse link  Control supply voltage frequency 1 Rated value 4 50 Reverse current of the thyristor A2-s 60 Control supply voltage frequency A2-s Active power loss maximum A3-s A2-s A3-s A4-s A4-s A4-s A4-s A4-s A4-s A4-s A4	● at 50 Hz	V	20 253
Relative symmetrical tolerance of the operating frequency  Insulation voltage Rated value  V 600  Rate of voltage rise at the thyristor for main contacts maximum permissible  Blocking voltage at the thyristor for main contacts waximum permissible  Reverse current of the thyristor  MA 10  Derating temperature  C 40  Active power loss total typical  Apparent power loss maximum  V-A 118  Surge current resistance Rated value  A 1 150  12t value maximum  A^2-s 6 600  Short-circuit protection, design of the fuse link  Control supply voltage frequency  1 Rated value  2 Rated value  4 C 50  Type of voltage of the control supply voltage  Control supply voltage 1  with AC  — at 50 Hz Initial rated value  V 110	● at 60 Hz	V	20 253
Insulation voltage Rated value  Rate of voltage rise at the thyristor for main contacts maximum permissible  Blocking voltage at the thyristor for main contacts maximum permissible  Reverse current of the thyristor  Perating temperature  Cotive power loss total typical  Apparent power loss maximum  V-A  I18  Surge current resistance Rated value  A  A  1 150  I2t value maximum  A  A  A  A  A  Control supply voltage frequency  1 Rated value  2 Rated value  Hz  60  Control supply voltage of the control supply voltage  Control supply voltage of the control supply voltage  Control supply voltage 1  • with AC  — at 50 Hz Initial rated value  V 600  V/µs  1 000  800  800  800  800  800  800  8	Operating frequency Rated value	Hz	50 60
Rate of voltage rise at the thyristor for main contacts maximum permissible  Blocking voltage at the thyristor for main contacts V 800  Reverse current of the thyristor  Derating temperature C 40  Active power loss total typical  Apparent power loss maximum V-A 118  Surge current resistance Rated value A 1 150  12t value maximum A²-s 6 600  Short-circuit protection, design of the fuse link  Control supply voltage frequency 1 Rated value P 2 Rated value Type of voltage of the control supply voltage  Control supply voltage 1  with AC — at 50 Hz Initial rated value V 110	· · · · · · · · · · · · · · · · · · ·	%	10
maximum permissible  Blocking voltage at the thyristor for main contacts maximum permissible  Reverse current of the thyristor  Derating temperature  C 40  Active power loss total typical  Apparent power loss maximum  V·A 118  Surge current resistance Rated value  A 1150  I2t value maximum  A²-s 6 600  Short-circuit protection, design of the fuse link  Control circuit/ Control:  Control supply voltage frequency  1 Rated value  2 Rated value  1 Rated value  2 Rated value  4 A  Type of voltage of the control supply voltage  Control supply voltage 1  with AC  — at 50 Hz Initial rated value  V 110	Insulation voltage Rated value	V	600
Blocking voltage at the thyristor for main contacts maximum permissible  Reverse current of the thyristor  Derating temperature  °C 40  Active power loss total typical  Apparent power loss maximum  V·A 118  Surge current resistance Rated value  A 1 150  12t value maximum  A²·s 6 600  Short-circuit/ Control:  Control supply voltage frequency  • 1 Rated value  • 2 Rated value  Hz 60  Type of voltage of the control supply voltage  Control supply voltage 1  • with AC  — at 50 Hz Initial rated value  V 110	Rate of voltage rise at the thyristor for main contacts	V/µs	1 000
maximum permissible  Reverse current of the thyristor  Derating temperature  °C 40  Active power loss total typical  Apparent power loss maximum  V·A 118  Surge current resistance Rated value  A 1150  12t value maximum  A²·s 6 600  Short-circuit/ control:  Control supply voltage frequency  • 1 Rated value  • 2 Rated value  Hz 50  Type of voltage of the control supply voltage  Control supply voltage 1  • with AC  — at 50 Hz Initial rated value  V 110	maximum permissible		
Derating temperature  **C 40  Active power loss total typical  Apparent power loss maximum  V·A 118  Surge current resistance Rated value  A 1 150  12t value maximum  A²-s 6 600  Short-circuit protection, design of the fuse link  Control circuit/ Control:  Control supply voltage frequency  • 1 Rated value  B 2 Rated value  Type of voltage of the control supply voltage  Control supply voltage 1  • with AC  — at 50 Hz Initial rated value  V 110		V	800
Active power loss total typical  Apparent power loss maximum  V·A  118  Surge current resistance Rated value  A  1 150  I2t value maximum  A²-s  6 600  Short-circuit protection, design of the fuse link  Control circuit/ Control:  Control supply voltage frequency  1 Rated value  1 Rated valu	Reverse current of the thyristor	mA	10
Apparent power loss maximum  Surge current resistance Rated value  A 1 150  I2t value maximum  A²-s 6 600  Short-circuit protection, design of the fuse link  Control circuit/ Control:  Control supply voltage frequency  • 1 Rated value  Hz 50  • 2 Rated value  Hz 60  Type of voltage of the control supply voltage  Control supply voltage 1  • with AC  — at 50 Hz Initial rated value  V 110	Derating temperature	°C	40
Surge current resistance Rated value  A 1 150  I2t value maximum  A <sup>2</sup> ·s 6 600  Short-circuit protection, design of the fuse link  Control circuit/ Control:  Control supply voltage frequency  • 1 Rated value  • 2 Rated value  Hz 60  Type of voltage of the control supply voltage  Control supply voltage 1  • with AC  — at 50 Hz Initial rated value  V 110	Active power loss total typical	W	118
I2t value maximum  Short-circuit protection, design of the fuse link  Control circuit/ Control:  Control supply voltage frequency  1 Rated value 1 Rated value 1 Rated value 1 Rated value 1 A2 S0  2 Rated value 1 Hz S0  Type of voltage of the control supply voltage  Control supply voltage 1  • with AC  — at 50 Hz Initial rated value  V 110	Apparent power loss maximum	V·A	118
Short-circuit protection, design of the fuse link  Control circuit/ Control:  Control supply voltage frequency  1 Rated value 1 Rated value 1 Hz 50 1 Expe of voltage of the control supply voltage  Control supply voltage 1  with AC — at 50 Hz Initial rated value  V 110	Surge current resistance Rated value	Α	1 150
Control circuit/ Control:  Control supply voltage frequency  1 Rated value 1 Rated value 1 Rated value 1 Hz 50 1 Hz 60  Type of voltage of the control supply voltage Control supply voltage 1  • with AC — at 50 Hz Initial rated value  V 110	I2t value maximum	A <sup>2</sup> ·s	6 600
Control supply voltage frequency  1 Rated value 1 Rated value 1 Hz 50 1 Example of voltage of the control supply voltage  Control supply voltage 1  with AC — at 50 Hz Initial rated value  V 110	Short-circuit protection, design of the fuse link		
<ul> <li>1 Rated value</li> <li>2 Rated value</li> <li>Hz</li> <li>60</li> <li>Type of voltage of the control supply voltage</li> <li>Control supply voltage 1</li> <li>with AC</li> <li>at 50 Hz Initial rated value</li> <li>Hz</li> <li>50</li> <li>AC</li> <li>AC</li> <li>110</li> </ul>	Control circuit/ Control:		
2 Rated value     Hz 60  Type of voltage of the control supply voltage  Control supply voltage 1      with AC  — at 50 Hz Initial rated value  V 110			
Type of voltage of the control supply voltage  Control supply voltage 1  • with AC  — at 50 Hz Initial rated value  V 110	• 1 Rated value		
Control supply voltage 1  • with AC  — at 50 Hz Initial rated value  V 110		Hz	
with AC  at 50 Hz Initial rated value  V 110			AC
— at 50 Hz Initial rated value V 110			
— at 50 Hz Final rated value V 230	— at 50 Hz Initial rated value	V	110
	— at 50 Hz Final rated value	V	230

— at 60 Hz Initial rated value	V	110
— at 60 Hz Final rated value	V	230
Control supply voltage		
• with AC		
<ul><li>— at 50 Hz Full-scale value for signal&lt;0&gt; recognition</li></ul>	V	40
<ul><li>— at 60 Hz Full-scale value for signal&lt;0&gt; recognition</li></ul>	V	40
Symmetrical line frequency tolerance	Hz	5
Relative symmetrical tolerance of the supply voltage frequency	%	10
Control current		
<ul> <li>at minimum control supply voltage</li> </ul>		
— with AC	mA	2
with AC Rated value	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	22.5
Height	mm	85
Depth	mm	48

Type of electrical connection for main current circuit  Design of the thread of the connection screw for main contacts  Tightening torque for main contacts with screw-type terminals  Tightening torque [lbf·in] for main contacts with screw-type terminals  Tightening torque [lbf·in] for main contacts with screw-type terminals  Type of connectable conductor cross-section  • for main contacts  — solid  — with core end processing  • for AWG conductors  — for main contacts  — for auxiliary and control contacts  • for auxiliary and control contacts  — solid  1x (0.5 2.5 mm²), 2x (0.5 1.0 mm²)	Connections/ Terminals:		
Tightening torque for main contacts with screw-type terminals  Tightening torque [lbf-in] for main contacts with screw-type terminals  Type of connectable conductor cross-section  • for main contacts  — solid  — finely stranded  — with core end processing  • for AWG conductors  — for main contacts  — for auxiliary and control contacts  • for auxiliary and control contacts  • for auxiliary and control contacts	Type of electrical connection for main current circuit		screw-type terminals
Tightening torque for main contacts with screw-type terminals  Tightening torque [lbf-in] for main contacts with screw-type terminals  Type of connectable conductor cross-section  • for main contacts  — solid  — finely stranded  — with core end processing  • for AWG conductors  — for main contacts  — for auxiliary and control contacts  • for auxiliary and control contacts  • for auxiliary and control contacts	Design of the thread of the connection screw for main		M4
terminals  Tightening torque [lbf-in] for main contacts with screw-type terminals  Type of connectable conductor cross-section  • for main contacts  — solid  — finely stranded  — with core end processing  • for AWG conductors  — for main contacts  — for auxiliary and control contacts  • for auxiliary and control contacts  • for auxiliary and control contacts	contacts		
Tightening torque [lbf-in] for main contacts with screw-type terminals  Type of connectable conductor cross-section  • for main contacts  — solid  — finely stranded  — with core end processing  • for AWG conductors  — for main contacts  — for auxiliary and control contacts  • for auxiliary and control contacts  • for auxiliary and control contacts	Tightening torque for main contacts with screw-type	N·m	2 2.5
Type of connectable conductor cross-section  • for main contacts  — solid  — finely stranded  — with core end processing  • for AWG conductors  — for main contacts  — for auxiliary and control contacts  • for auxiliary and control contacts  • for auxiliary and control contacts	terminals		
Type of connectable conductor cross-section  • for main contacts  — solid  — finely stranded  — with core end processing  • for AWG conductors  — for main contacts  — for auxiliary and control contacts  • for auxiliary and control contacts  • for auxiliary and control contacts		lbf∙in	7 10.3
<ul> <li>for main contacts <ul> <li>solid</li> <li>finely stranded</li> <li>with core end processing</li> </ul> </li> <li>for AWG conductors <ul> <li>for main contacts</li> <li>for auxiliary and control contacts</li> <li>for auxiliary and control contacts</li> </ul> </li> <li>for main contacts <ul> <li>(AWG 20 12)</li> </ul> </li> </ul>	screw-type terminals		
<ul> <li>— solid</li> <li>— finely stranded</li> <li>— with core end processing</li> <li>• for AWG conductors</li> <li>— for main contacts</li> <li>— for auxiliary and control contacts</li> <li>• for auxiliary and control contacts</li> <li>2x (1.5 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm²</li> <li>2x (14 10)</li> <li>2x (14 10)</li> <li>1x (AWG 20 12)</li> </ul>	Type of connectable conductor cross-section		
<ul> <li>— finely stranded</li> <li>— with core end processing</li> <li>● for AWG conductors</li> <li>— for main contacts</li> <li>— for auxiliary and control contacts</li> <li>● for auxiliary and control contacts</li> <li>Ix (AWG 20 12)</li> </ul>	for main contacts		
<ul> <li>— with core end processing</li> <li>for AWG conductors</li> <li>— for main contacts</li> <li>— for auxiliary and control contacts</li> <li>for auxiliary and control contacts</li> <li>2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm²</li> <li>2x (14 10)</li> <li>1x (AWG 20 12)</li> </ul>	— solid		2x (1.5 2.5 mm²), 2x (2.5 6 mm²)
<ul> <li>for AWG conductors</li> <li>— for main contacts</li> <li>— for auxiliary and control contacts</li> <li>for auxiliary and control contacts</li> </ul> 1x (AWG 20 12)	— finely stranded		
<ul> <li>— for main contacts</li> <li>— for auxiliary and control contacts</li> <li>1x (AWG 20 12)</li> <li>• for auxiliary and control contacts</li> </ul>	<ul><li>— with core end processing</li></ul>		2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm²
— for auxiliary and control contacts  1x (AWG 20 12)  • for auxiliary and control contacts	• for AWG conductors		
• for auxiliary and control contacts	— for main contacts		2x (14 10)
	<ul> <li>for auxiliary and control contacts</li> </ul>		1x (AWG 20 12)
— solid 1x (0.5 2.5 mm²), 2x (0.5 1.0 mm²)	<ul> <li>for auxiliary and control contacts</li> </ul>		
	— solid		1x (0.5 2.5 mm²), 2x (0.5 1.0 mm²)

— finely stranded		
<ul> <li>with core end processing</li> </ul>		1x (0.5 2.5 mm²), 2x (0.5 1.0 mm²)
<ul> <li>— without core end processing</li> </ul>		1x (0.5 2.5 mm²), 2x (0.5 1.0 mm²)
Connectable conductor cross-section		
• for main contacts		
<ul><li>— single or multi-stranded</li></ul>	mm²	1.5 6
— finely stranded		
<ul> <li>— with core end processing</li> </ul>	mm²	1 10
<ul> <li>for auxiliary and control contacts</li> </ul>		
— solid	mm²	0.5 2.5
— finely stranded		
<ul> <li>— with core end processing</li> </ul>	mm²	0.5 2.5
<ul> <li>— without core end processing</li> </ul>	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		M3
AWG number as coded connectable conductor cross	_	20 12
section for auxiliary and control contacts		
Wire stripping length of the cable		
• for main contacts	mm	7
<ul> <li>for auxiliary and control contacts</li> </ul>	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	4.5 5.3

Certificates/ approvals:

**EMC General Product Approval Declaration of Test** Conformity Certificates











**Special Test** Certificate

## Further information

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

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

Industry Mall (Online ordering system)

http://www.siemens.com/industrymall

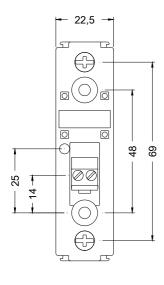
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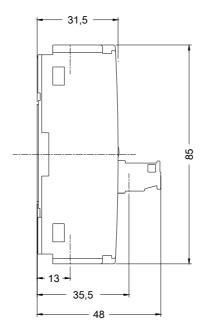
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Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

http://support.automation.siemens.com/WW/view/en/3RF21901AA22/all

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) <a href="http://www.automation.siemens.com/bilddb/index.aspx?attID9=3RF21901AA22&lang=en">http://www.automation.siemens.com/bilddb/index.aspx?attID9=3RF21901AA22&lang=en</a>





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