## **SIEMENS**

Data sheet 3RF23 20-1AA02



SEMI-COND. CONTACTOR 3RF2,1-PH. AC 51 20 A 40 DEGREES C 24-230 V / 24 V DC SCREW TERMINAL

General technical data:	
product brand name	SIRIUS
Product designation	solid-state contactor
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's article number _1 of the accessories that can be ordered	3RF2900-3PA88
Product designation _3 of the accessories that can be ordered	converter
Manufacturer's article number _3 of the accessories that can be ordered	3RF2900-0EA18
Product designation _4 of the accessories that can be ordered	load monitoring
Manufacturer's article number _4 of the accessories that can be ordered	3RF2920-0GA13
Product designation _5 of the accessories that can be ordered	load monitoring, basis

Ambient temperature  • during operation • during storage  *C	Manufacturer's article number _5 of the accessories		3RF2920-0FA08
during operation     during storage     Installation altitude at height above sea level maximum  Vibration resistance acc. to IEC 60068-2-6 Shock resistance acc. to IEC 60068-2-7 Shock resistance acc. to IEC 60068-2-8 Shock resistance acc. to IEC 60068-2-7 Shock resistance acc. to IEC 60068-2-8 Shock resistance acc. to IEC 60068-2- Shock resistance acc. to IEC 60068	that can be ordered		
during storage   "C   -55 +80	Ambient temperature		
Installation altitude at height above sea level maximum  \( \text{Vibration resistance acc. to IEC 60068-2-6} \)  Shock resistance acc. to IEC 60068-2-7  Equipment marking acc. to IEC 60068-2-7  Equipment marking acc. to IEC 60068-2-7  Equipment marking acc. to IEC 750  Culture of NC contacts for auxiliary contacts  0  Number of NC contacts for auxiliary contacts  1  Number of NO contacts for main contacts  1  Number of NC contacts for main contacts  1  Number of NC contacts for main contacts  0  Operating current  • at AC-51 rated value  A 20  Operating current minimum  Acc. • at 50 Hz rated value  Operating range relative to the operating voltage at AC  • at 50 Hz rated value  Operating requency rated value  Insulation voltage rated value  V 20 253  • at 60 Hz  Operating frequency rated value  No control stepperature  C 40  Power loss [W] total typical  Surge current resistance rated value  Power loss [W] total typical  Surge current resistance rated value  A 600  Control supply voltage 1  DC  Control supply voltage 1	<ul><li>during operation</li></ul>	°C	-25 +60
maximum  Vibration resistance acc. to IEC 60068-2-6  Shock resistance acc. to IEC 60068-2-7  Equipment marking acc. to DIN 40719 extended according to IEC 204-2 acc. to IEC 750  Equipment marking acc. to IEC 750  Main circuit  Number of NC contacts for auxiliary contacts  0  Main circuit  Number of NO contacts for auxiliary contacts  1  Number of NO contacts for main contacts  0  Operating current  • at AC-51 rated value  • at 60 Hz rated value  • at 50 Hz rated value  • at 50 Hz rated value  • at 60 Hz  • at 50 Hz  • at 60 Hz  Operating frequency rated value  Insulation voltage rated value  Hz  50 60  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  Blocking voltage at the thyristor for main contacts  maximum permissible  Everse current of the thyristor  Power loss [W] total typical  W 20  Surge current resistance rated value  A 600  Control circuit/ Control:  Type of voltage of the control supply voltage  Control supply voltage 1	during storage	°C	-55 <b>+</b> 80
Vibration resistance acc. to IEC 60068-2-6 Shock resistance acc. to IEC 60068-2-7 Interest acceptable acceptab	Installation altitude at height above sea level	m	1 000
Shock resistance acc. to IEC 60068-2-27 Equipment marking acc. to DIN 40719 extended according to IEC 204-2 acc. to IEC 750 Equipment marking acc. to DIN EN 61346-2 Number of NC contacts for auxiliary contacts Number of NC contacts for main contacts Number of NC contacts for main contacts  Number of NC contacts for main contacts  Operating current  • at AC-51 rated value A 20 Operating current minimum MA 500 Operating voltage at AC • at 50 Hz rated value • at 60 Hz rated value Operating range relative to the operating voltage at AC • at 50 Hz • at 50 Hz • at 60 Hz Operating frequency rated value Hz 50 60 Insulation voltage rated value V 20 253 • at 60 Hz Operating frequency rated value V 20 253 • at 60 Hz Operatin	maximum		
Equipment marking acc. to DIN 40719 extended according to IEC 204-2 acc. to IEC 750  Equipment marking acc. to DIN EN 61346-2  Number of NC contacts for auxiliary contacts  Number of NC contacts for auxiliary contacts  Number of NC contacts for auxiliary contacts  Number of NC contacts for main contacts  Number of NC contacts for main contacts  1  Number of NC contacts for main contacts  0  Operating current  • at AC-51 rated value  A 20  Operating voltage at AC  • at 50 Hz rated value  • at 60 Hz rated value  Operating repeative to the operating voltage at AC  • at 50 Hz  • at 60 Hz  •			
according to IEC 204-2 acc. to IEC 750  Equipment marking acc. to DIN EN 61346-2  Number of NC contacts for auxiliary contacts  Number of NO contacts for auxiliary contacts  Number of NO contacts for auxiliary contacts  Number of NO contacts for main contacts  Number of NO contacts for main contacts  Number of NC contacts for main contacts  Operating current  • at AC-51 rated value  A 20  Operating voltage at AC  • at 50 Hz rated value  V 24 230  Operating range relative to the operating voltage at  AC  • at 50 Hz  • at 60 Hz  V 20 253  • at 60 Hz  Operating frequency rated value  Hz  Operating frequency rated value  V 20 253  Operating frequency rated value  No 600  Rate of voltage rise at the thyristor for main contacts  Main circuit  Number of NO contacts for auxiliary contacts  V 20 253  Operating frequency rated value  No 600  Rate of voltage rise at the thyristor for main contacts  Number of NO contacts for auxiliary contacts  Number of NO contacts for auxiliary contacts  Number of NO contacts for auxiliary contacts  V 20 253  Operating frequency rated value  No 600  Rate of voltage rise at the thyristor for main contacts  Number of NO contacts for auxiliary contacts  Number of NO contacts for auxiliary contacts  Number of NO contacts for auxiliary contacts  V 20 253  Operating frequency rated value  No 600  Reverse current of the thyristor  NO 000  Reverse current of the thyristor  NO 000  Reverse current of the thyristor  A 600  Insulation voltage of the control supply voltage  Control circuit/ Control:  Type of voltage of the control supply voltage  Control supply voltage 1			15g / 11 ms
Number of NC contacts for auxiliary contacts Number of NO contacts for auxiliary contacts Number of CO contacts for auxiliary contacts  Number of NC contacts for main contacts  Operating current  • at AC-51 rated value  A 20  Operating current minimum  Operating voltage at AC  • at 50 Hz rated value  • at 60 Hz rated value  V 24 230  Operating range relative to the operating voltage at AC  • at 50 Hz  • at 60 Hz  • at 60 Hz  Operating frequency rated value  Hz  • at 60 Hz  Operating frequency rated value  NV  Operating frequency rated value  Hz  SO 60  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  Control circuit/ Control:  Type of voltage of the control supply voltage  Control supply voltage 1	• •		K
Number of NO contacts for auxiliary contacts  Number of CO contacts for auxiliary contacts  Main circuit:  Number of NO contacts for main contacts  Number of NC contacts for main contacts  Operating current  • at AC-51 rated value  Operating current minimum  Operating current minimum  Operating voltage at AC  • at 50 Hz rated value  • at 60 Hz rated value  Operating range relative to the operating voltage at AC  • at 50 Hz  • at 60 Hz  V  20 253  Operating frequency rated value  Hz  50 60  Insulation voltage rated value  V / 600  Rate of voltage rise at the thyristor for main contacts maximum permissible  Blocking voltage at the thyristor  Reverse current of the thyristor  Derating temperature  C 40  Surge current resistance rated value  A 600  Izt value maximum  A*s 1800  Control circuit/ Control:  Type of voltage of the control supply voltage  Control supply voltage 1	Equipment marking acc. to DIN EN 61346-2		Q
Number of CO contacts for auxiliary contacts  Main circuit:  Number of NO contacts for main contacts  Number of NC contacts for main contacts  Operating current  • at AC-51 rated value  A 20 Operating current minimum  Operating voltage at AC  • at 50 Hz rated value  • at 60 Hz rated value  V 24 230  Operating range relative to the operating voltage at AC  • at 50 Hz  • at 60 Hz  Operating frequency rated value  Hz  Operating frequency rated value  Hz  So 60  Insulation voltage rated value  V/µs  I 000  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  Power loss [W] total typical  Surge current resistance rated value  A 600  Control circuit/ Control:  Type of voltage of the control supply voltage  Control supply voltage 1	Number of NC contacts for auxiliary contacts		0
Main circuit:  Number of NO contacts for main contacts  Number of NC contacts for main contacts  Operating current  • at AC-51 rated value  Operating current minimum  Operating voltage at AC  • at 50 Hz rated value  • at 60 Hz rated value  Operating range relative to the operating voltage at AC  • at 50 Hz  • at 60 Hz  Operating range relative to the operating voltage at AC  • at 50 Hz  • at 60 Hz  Operating frequency rated value  Number of NC contacts for main contacts maximum permissible  Blocking voltage at the thyristor for main contacts maximum permissible  Reverse current of the thyristor  Derating temperature  Power loss [W] total typical  Surge current resistance rated value  A control circuit/ Control:  Type of voltage of the control supply voltage  DC  Control supply voltage 1	Number of NO contacts for auxiliary contacts		0
Number of NC contacts for main contacts  Number of NC contacts for main contacts  Operating current  • at AC-51 rated value  Operating current minimum  MA 500  Operating current minimum  Operating voltage at AC  • at 50 Hz rated value  • at 60 Hz rated value  Operating range relative to the operating voltage at AC  • at 50 Hz  • at 60 Hz  Operating range relative to the operating voltage at AC  • at 50 Hz  • at 60 Hz  V 20 253  Operating frequency rated value  Hz 50 60  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  Power loss [W] total typical  Surge current resistance rated value  A 600  Control circuit/ Control:  Type of voltage of the control supply voltage  Control supply voltage 1	Number of CO contacts for auxiliary contacts		0
Number of NC contacts for main contacts  Number of NC contacts for main contacts  Operating current  • at AC-51 rated value  Operating current minimum  MA 500  Operating current minimum  Operating voltage at AC  • at 50 Hz rated value  • at 60 Hz rated value  Operating range relative to the operating voltage at AC  • at 50 Hz  • at 60 Hz  Operating range relative to the operating voltage at AC  • at 50 Hz  • at 60 Hz  V 20 253  Operating frequency rated value  Hz 50 60  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  Power loss [W] total typical  Surge current resistance rated value  A 600  Control circuit/ Control:  Type of voltage of the control supply voltage  Control supply voltage 1	Main circuit:		
Number of NC contacts for main contacts  Operating current  • at AC-51 rated value  Operating current minimum  MA 500  Operating voltage at AC  • at 50 Hz rated value  • at 60 Hz rated value  Operating range relative to the operating voltage at AC  • at 50 Hz  • at 60 Hz  Operating frequency rated value  N 20 253  Operating frequency rated value  Hz 50 60  Insulation voltage rated value  N 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  Power loss [W] total typical  Surge current resistance rated value  A 600  Control circuit/ Control:  Type of voltage of the control supply voltage  Control supply voltage 1			1
Operating current  • at AC-51 rated value  Operating current minimum  Operating voltage at AC  • at 50 Hz rated value  • at 60 Hz rated value  • at 50 Hz  • at 60 Hz  Operating frequency rated value  Hz  Operating 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  Power loss [W] total typical  Surge current resistance rated value  A 600  Control circuit/ Control:  Type of voltage of the control supply voltage  Control supply voltage 1			
at AC-51 rated value  Operating current minimum  Operating voltage at AC  at 50 Hz rated value  at 60 Hz rated value  Operating range relative to the operating voltage at AC  at 50 Hz  at 60 Hz  Operating range relative to the operating voltage at AC  at 50 Hz  at 60 Hz  Operating frequency rated value  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  Blocking voltage at the thyristor for main contacts  maximum permissible  Reverse current of the thyristor  Derating temperature  acc  acc  acc  acc  Acc  at 20  24 230  24 230  Acc  acc  acc  acc  acc  acc  acc  ac			
Operating current minimum  Operating voltage at AC  • at 50 Hz rated value  • at 60 Hz rated value  Operating range relative to the operating voltage at AC  • at 50 Hz  • at 60 Hz  Operating frequency rated value  Insulation voltage rated value  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  ° C  40  Power loss [W] total typical  Surge current resistance rated value  A 600  Control circuit/ Control:  Type of voltage of the control supply voltage  Control supply voltage 1		Α	20
Operating voltage at AC  • at 50 Hz rated value  • at 60 Hz rated value  V 24 230  Operating range relative to the operating voltage at AC  • at 50 Hz  • at 60 Hz  • at 60 Hz  • at 60 Hz  V 20 253  • at 60 Hz  Operating frequency rated value  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  Power loss [W] total typical  Surge current resistance rated value  A 600  Izt value maximum  Control circuit/ Control:  Type of voltage of the control supply voltage  Control supply voltage 1			
at 50 Hz rated value  at 60 Hz rated value  V 24 230  Operating range relative to the operating voltage at AC  at 50 Hz  at 50 Hz  at 60 Hz  V 20 253  at 60 Hz  Operating frequency rated value  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  "C 40  Power loss [W] total typical  Surge current resistance rated value  A 600  Izt value maximum  Control circuit/ Control:  Type of voltage of the control supply voltage  Control supply voltage 1			
at 60 Hz rated value     Operating range relative to the operating voltage at AC     at 50 Hz     at 60 Hz     v 20 253     at 60 Hz     v 20 253 Operating frequency rated value     Hz 50 60 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     Power loss [W] total typical Surge current resistance rated value A 600 Izt value maximum A²s 1800  Control circuit/ Control: Type of voltage of the control supply voltage Control supply voltage 1		V	24 230
Operating range relative to the operating voltage at AC  • at 50 Hz • at 60 Hz  • at 60 Hz  Operating frequency rated value  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  Power loss [W] total typical  Surge current resistance rated value  A 600  Izt value maximum  A²-s 1 800  Control circuit/ Control:  Type of voltage of the control supply voltage  Control supply voltage 1			
AC          • at 50 Hz  V  20 253    • at 60 Hz  V  20 253    Operating frequency rated value  Hz  50 60    Insulation voltage rated value  V  600    Rate of voltage rise at the thyristor for main contacts maximum permissible  1 000    Blocking voltage at the thyristor for main contacts maximum permissible  V  800    Reverse current of the thyristor mA 10   Derating temperature °C 40   Power loss [W] total typical W  20   Surge current resistance rated value A 600   I2t value maximum A²-s 1 800    Control circuit/ Control:  Type of voltage of the control supply voltage  DC   Control supply voltage 1 DC		•	21200
• at 60 Hz     Operating frequency rated value     Insulation voltage rated value     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     Derating temperature     ○ 40     Power loss [W] total typical     Surge current resistance rated value     A 600     I2t value maximum     A²-s 1 800  Control circuit/ Control: Type of voltage of the control supply voltage  Control supply voltage 1  V 20 253  B 00  Control supply voltage 1  Control supply voltage 1  Control supply voltage 1			
Operating frequency rated value  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  °C 40  Power loss [W] total typical  Surge current resistance rated value  A 600  I2t value maximum  A²-s 1 800  Control circuit/ Control:  Type of voltage of the control supply voltage  Control supply voltage 1	● at 50 Hz		
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  °C 40  Power loss [W] total typical  Surge current resistance rated value  A 600  I2t value maximum  A²-s 1 800  Control circuit/ Control:  Type of voltage of the control supply voltage  Control supply voltage 1	● at 60 Hz	V	20 253
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  Power loss [W] total typical  Surge current resistance rated value  I2t value maximum  A²-s 1 800  Control circuit/ Control:  Type of voltage of the control supply voltage  Control supply voltage 1	. , , ,	Hz	50 60
Blocking voltage at the thyristor for main contacts waximum permissible  Reverse current of the thyristor mA 10  Derating temperature °C 40  Power loss [W] total typical W 20  Surge current resistance rated value A 600  I2t value maximum A²-s 1 800  Control circuit/ Control:  Type of voltage of the control supply voltage DC  Control supply voltage 1			
maximum permissible  Reverse current of the thyristor  Derating temperature  °C 40  Power loss [W] total typical  Surge current resistance rated value  A 600  I2t value maximum  A²-s 1 800  Control circuit/ Control:  Type of voltage of the control supply voltage  Control supply voltage 1  DC	-	V/µs	1 000
Derating temperature  °C 40  Power loss [W] total typical  Surge current resistance rated value  A 600  I2t value maximum  A²-s 1 800  Control circuit/ Control:  Type of voltage of the control supply voltage  Control supply voltage 1		V	800
Power loss [W] total typical  Surge current resistance rated value  A 600  I2t value maximum  A <sup>2</sup> ·s 1 800  Control circuit/ Control:  Type of voltage of the control supply voltage  Control supply voltage 1	Reverse current of the thyristor	mA	10
Surge current resistance rated value  A 600  I2t value maximum  A²-s 1 800  Control circuit/ Control:  Type of voltage of the control supply voltage  Control supply voltage 1	Derating temperature	°C	40
I2t value maximum  A²-s 1 800  Control circuit/ Control:  Type of voltage of the control supply voltage  Control supply voltage 1	Power loss [W] total typical	W	20
Control circuit/ Control:  Type of voltage of the control supply voltage  Control supply voltage 1	Surge current resistance rated value	Α	600
Type of voltage of the control supply voltage DC  Control supply voltage 1	I2t value maximum	A <sup>2</sup> ·s	1 800
Control supply voltage 1			
			DC
• at DC	Control supply voltage 1		
	• at DC		

<ul> <li>Initial rated value</li> </ul>	V	15
— Final rated value	V	24
Control supply voltage		
• at DC Full-scale value for signal<0> recognition	V	5
Control current		
<ul> <li>at minimum control supply voltage</li> </ul>		
— at DC	mA	2
at DC rated value	mA	15

Installation/ mounting/ dimensions:			
Mounting type		screw and snap-on mounting onto 35 mm standard mounting rail	
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	100	
Depth	mm	140.5	

Connections/Terminals:		
Type of electrical connection for main current circuit		screw-type terminals
Design of the thread of the connection screw for main contacts		M4
Tightening torque for main contacts with screw-type terminals	N·m	2 2.5
Tightening torque [lbf·in] for main contacts with screw-type terminals	lbf∙in	18 22
Type of connectable conductor cross-sections for main contacts		
• solid		2x (1.5 2.5 mm²), 2x (2.5 6 mm²)
• finely stranded		
— with core end processing		2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm²
Type of connectable conductor cross-sections		
<ul> <li>at AWG conductors</li> </ul>		
— for main contacts		2x (14 10)
<ul> <li>for auxiliary and control contacts</li> </ul>		1x (AWG 20 12)
Type of connectable conductor cross-sections for auxiliary and control contacts		
• solid		1x (0.5 2.5 mm²), 2x (0.5 1.0 mm²)
• finely stranded		
— with core end processing		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		
section		
• for main contacts		10 14
<ul> <li>for auxiliary and control contacts</li> </ul>		20 12
Type of electrical connection for auxiliary and control		screw-type terminals
current circuit		
Design of the thread of the connection screw of the		M3
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	N·m	0.5 0.6
with screw-type terminals		
Tightening torque [lbf·in] for auxiliary and control	lbf·in	4.5 5.3
contacts with screw-type terminals		

### Certificates/approvals

General Product Approval	EMC	Declaration of	Test
		Conformity	Certificates







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other		Railway
Umweltbestätigung	Bestätigungen	Schwingen/Schocke

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)

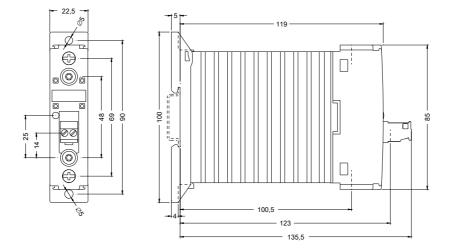
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RF2320-1AA02

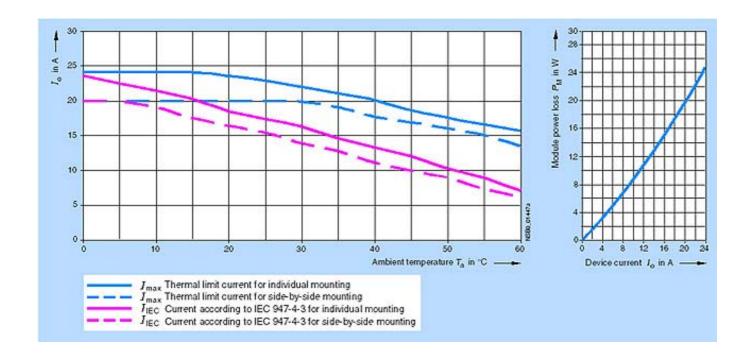
#### Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RF2320-1AA02

# Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3RF2320-1AA02

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) <a href="http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RF2320-1AA02&lang=en">http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RF2320-1AA02&lang=en</a>





**last modified:** 12/18/2016