## **SIEMENS**

Data sheet 3RF2310-2AA22



Solid-state contactor 1-phase 3RF2 AC 51 / 10 A / 40  $^{\circ}\text{C}$  24-230 V / 110-230 V AC Spring-type terminal

product brand name	SIRIUS
product designation	solid-state contactor
design of the product	single-phase
product type designation	3RF23
General technical data	
product function	zero-point switching
power loss [W] for rated value of the current	
<ul> <li>at AC in hot operating state</li> </ul>	11 W
<ul> <li>at AC in hot operating state per pole</li> </ul>	11 W
without load current share typical	3.5 W
insulation voltage rated value	600 V
degree of pollution	3
type of voltage of the control supply voltage	AC
surge voltage resistance of main circuit rated value	6 kV
shock resistance according to IEC 60068-2-27	15g / 11 ms
vibration resistance according to IEC 60068-2-6	2g
reference code according to EN 61346-2	Q
reference code according to IEC 81346-2	Q
Substance Prohibitance (Date)	05/28/2009
Main circuit	
number of poles for main current circuit	1
number of NO contacts for main contacts	1
number of NC contacts for main contacts	0
operating voltage at AC	
<ul> <li>at 50 Hz rated value</li> </ul>	24 230 V
at 60 Hz rated value	24 230 V
operating frequency rated value	50 60 Hz
operating range relative to the operating voltage at AC	
● at 50 Hz	20 253 V
● at 60 Hz	20 253 V
operational current	
<ul> <li>at AC-51 rated value</li> </ul>	10.5 A
<ul><li>at AC-51 according to IEC 60947-4-3</li></ul>	7.5 A
according to UL 508 rated value	9.6 A
operational current minimum	100 mA
rate of voltage rise at the thyristor for main contacts maximum permissible	500 V/μs
blocking voltage at the thyristor for main contacts maximum permissible	800 V
reverse current of the thyristor	10 mA
derating temperature	40 °C

Variable of voltage of the control supply voltage   AC	surge current resistance rated value	200 A
Spee of voltage of the control supply voltage   at AC		200 A²-s
	Control circuit/ Control	
	type of voltage of the control supply voltage	AC
* at 80 Hz control supply voltage frequency		
Control supply voltage frequency		110 230 V
* 1 rated value   * 2 rated value   * 2 rated value   * 2 rated value   * 80 Hz	• at 60 Hz	110 230 V
* 1 rated value   * 2 rated value   * 2 rated value   * 2 rated value   * 80 Hz	control supply voltage frequency	
		50 Hz
	• 2 rated value	60 Hz
■ 16 OHE full-scale value for signal < I> control supply voltage	control supply voltage at AC	
■ al AC initial value for signal <1> detection   90 V	at 50 Hz full-scale value for signal<0> recognition	40 V
symmetrical line frequency tolerance         5Hz           control current at minimum control supply voltage	<ul> <li>at 60 Hz full-scale value for signal&lt;0&gt; recognition</li> </ul>	40 V
symmetrical line frequency tolerance         5 Hz           control current at minimum control supply voltage         2 mA           control current at AC rated value         15 mA           ON-delay time         40 ms; additionally max, one half-wave           OFF-delay time         40 ms; additionally max, one half-wave           Auxiliary circuit         0           number of NC contacts for auxiliary contacts         0           number of NC contacts for auxiliary contacts         0           number of CO contacts for auxiliary contacts         0           number of NC contacts for auxiliary contacts         0           number of NC contacts for auxiliary contacts         0           number of NC contacts for auxiliary contacts         0           state bryside mounting         contacts for auxiliary and control circuit         Screw fixing and snap-on mounting on standard mounting rail 35 mm according to ECC 60715           design of the thread of the screw for securing the equipment         M4         4           design of the thread of the screw for securing the equipment         M4         4           design of the thread of the screw for securing the equipment         95 mm         4           depth         95 mm         4         4         4         4         4         4         4         4         4	control supply voltage	
e at I AC  • at I AC  • at I AC  On-delay time  On-delay time thread of the screw for securing the equipment  on time thread of the screw for securing the equipment  On-delay time thread of the screw for securing the equipment  On-delay time thread of the screw for securing the equipment  On-delay time thread of the screw for securing the equipment  On-delay time thread of the screw for securing the equipment  On-delay time thread of the screw for securing the equipment  On-delay time thread of the screw for securing the equipment  On-delay time thread of the screw for securing the equipment  On-delay time thread of the screw for securing the equipment  On-delay time thread of the screw for securing the equipment  On-delay time thread of the screw for securing the equipment  On-delay time thread of the screw for securing the equipment  On-delay time thread of the screw for securing the equipment  On-delay time thread of the screw for securing the equipment  On-delay time thread of the screw for securing the equipment  On-delay time thread of the screw for securing the equipment of the screw for auxiliary and control circuit  Sort auxiliary and control circuit  On-delay stranded with our or end processing  On-delay stranded without or end processing  On-delay stranded without or end processing  On-delay stranded without or end processing  On-de	• at AC initial value for signal <1> detection	90 V
• at AC         2 mA           control current at AC rated value         15 mA           ON- delay time         40 ms; additionally max. one half-wave           OFF-delay time         40 ms; additionally max. one half-wave           Auxiliary circuit	symmetrical line frequency tolerance	5 Hz
control current at AC rated value 40 ms; additionally max. one half-wave 60 FF-delay time 40 ms; additionally max. one half-wave 60 FF-delay time 40 ms; additionally max. one half-wave 60 FF-delay time 60 mumber of NC contacts for auxiliary contacts 60 mumber of NC contacts for auxiliary contacts 60 mumber of CO co	control current at minimum control supply voltage	
ON-delay time 40 ms; additionally max. one half-wave A0 mumber of NC contacts for auxiliary contacts 0 0 mumber of NO contacts for auxiliary contacts 0 0 mumber of NO contacts for auxiliary contacts 0 0 mumber of NO contacts for auxiliary contacts 0 0 mumber of NO contacts for auxiliary contacts 0 0 mumber of NO contacts for auxiliary contacts 0 0 mumber of NO contacts for auxiliary contacts 0 0 mumber of NO contacts for auxiliary contacts 0 0 mumber of NO contacts 0 mumber of NO contact	• at AC	2 mA
Abrillary circuit	control current at AC rated value	15 mA
Abrillary circuit	ON-delay time	40 ms; additionally max. one half-wave
number of NC contacts for auxillary contacts number of NO contacts for auxillary contacts number of NO contacts for auxillary contacts number of NO contacts for auxillary contacts olicity of main contacts of auxillary and control contacts of auxillary and control contacts of auxillary standed with core end processing of nor AWG cables for main contacts olicity of auxillary and control contacts of or auxillary and control contacts of or auxillary and control contacts of auxillary and control contacts of auxillary and control contacts of auxillary and control cross-sections of nearly stranded with core end processing of new yet stranded with core end processing of new yet stranded with core end processing of auxillary and control cross-sections of new yet and of auxillary and control contacts olicity of auxillary and control contacts of or main contacts	•	40 ms; additionally max. one half-wave
number of NO contacts for auxiliary contacts number of CO contacts for auxiliary contacts number of CO contacts for auxiliary contacts fastening method side-by-side mounting side-by-side side-side-side-side-side-side-side-side-	Auxiliary circuit	
number of NO contacts for auxiliary contacts         0           number of CO contacts for auxiliary contacts         0           Installation mounting/ dimensions         screw fixing and snap-on mounting on standard mounting rail 35 mm according to IEC 60715           design of the thread of the screw for securing the equipment         M4           height         95 mm           width         22.5 mm           depth         88 mm           Connections/ Terminals         Terminals           type of electrical connection         5 pring-loaded terminals           of or main current circuit         5 pring-loaded terminals           of or main contacts         2 x (0.5 2.5 mm²)           - solid         2 x (0.5 2.5 mm²)           - finely stranded with core end processing         2 x (0.5 2.5 mm²)           - finely stranded without core end processing         2 x (18 14)           connectable conductor cross-section for main contacts         0.5 2.5 mm²           - finely stranded without core end processing         0.5 2.5 mm²           - finely stranded without core end processing         0.5 2.5 mm²           - finely stranded without core end processing         0.5 2.5 mm²           - finely stranded with core end processing         0.5 2.5 mm²           - finely stranded with core end processing	number of NC contacts for auxiliary contacts	0
Installation/ mounting/ dimensions  fastening method	<del>-</del>	0
Installation/ mounting/ dimensions  fastening method	•	0
International Content of the screw for securing the equipment   M4		
International Content of the screw for securing the equipment   M4	fastening method	screw fixing and snap-on mounting on standard mounting rail 35 mm according
design of the thread of the screw for securing the equipment height width 22.5 mm  depth 88 mm  Connectors/ Torminals  type of electrical connection • for auxiliary and control circuit — solid or stranded with core end processing • for auxiliary and control cornects  • for auxiliary and control cornects • for main current circuit • for main contacts — solid — solid or stranded with core end processing • for AWG cables for auxiliary and control cornects  • for minely stranded with core end processing • finely stranded with core end processing • finely stranded with core end processing • for auxiliary and control contacts  • solid or stranded • finely stranded with core end processing • for auxiliary and control contacts  • for auxiliary and control contacts  • for auxiliary and control contacts  • for AWG cables for auxiliary and control contacts  • for AWG cables for auxiliary and control contacts  • for main contacts • for main contacts • for auxiliary and control contacts  • for main contacts • for auxiliary and control contacts  • for main contacts • for main contacts • for main contacts • for auxiliary and control contacts • for main contacts	·	
height 95 mm width 22.5 mm depth 88 mm  Connections/ Terminals  type of electrical connection • for main current circuit spring-loaded terminals • for auxiliary and control circuit spring-loaded terminals • for main contacts  • for main contacts  • for main contacts  • for main contacts  • finely stranded with core end processing 2x (0.5 2.5 mm²)  • for AWG cables for main contacts  • solid or stranded • finely stranded with core end processing 0.5 2.5 mm²  • finely stranded without core end processing 0.5 2.5 mm²  • for auxiliary and control contacts  • solid or stranded • finely stranded with core end processing 0.5 2.5 mm²  • finely stranded without core end processing 0.5 2.5 mm²  • finely stranded with core end processing 0.5 2.5 mm²  • finely stranded without core end processing 0.5 2.5 mm²  • finely stranded without core end processing 0.5 2.5 mm²  • for auxiliary and control contacts  — solid — finely stranded with core end processing 0.5 2.5 mm²  • for auxiliary and control contacts  — solid — finely stranded without core end processing 0.5 2.5 mm²  • for auxiliary and control contacts  — solid — finely stranded without core end processing 0.5 2.5 mm²  • for auxiliary and control contacts  — solid 0.5 2.5 mm²  • for auxiliary and control contacts  AWG number as coded connectable conductor cross section for main contacts  stripped length of the cable • for main contacts  • for auxiliary and control contacts  • for auxiliary and control contacts  • for main contacts • for auxiliary and control contacts  • for main contacts • for auxiliary and control contacts  • for main contacts • for auxiliary and control contacts  • for main contacts • for auxiliary and control contacts  • for auxiliary and control contacts  • for auxiliary and control contacts  • for auxiliary and control contacts  • for auxiliary and control contacts  • for auxiliary and control contacts  • for auxiliary and control contacts  • for auxiliary and control contacts	side-by-side mounting	Yes
height width         95 mm           depth         22.5 mm           depth         88 mm           Connections/ Terminals           type of electrical connection           • for main current circuit         spring-loaded terminals           • for auxiliary and control circuit         spring-loaded terminals           • for main contacts         * for main contacts           - solid         2x (0.5 2.5 mm²)           - finely stranded without core end processing         2x (0.5 2.5 mm²)           • for AWG cables for main contacts         2x (18 14)           connectable conductor cross-section for main contacts           • solid or stranded         0.5 2.5 mm²           • finely stranded without core end processing         0.5 2.5 mm²           • finely stranded without core end processing         0.5 2.5 mm²           • for auxiliary and control contacts         0.5 2.5 mm²           - solid         0.5 2.5 mm²           - finely stranded without core end processing         0.5 2.5 mm²           - finely stranded without core end processing         0.5 2.5 mm²           - for auxiliary and control contacts         1x (AWG 20 12)           AWG cables for auxiliary and control contacts         1x (AWG 20 12)	· ·	M4
width 22.5 mm  depth 88 mm  Connections/ Terminals  type of electrical connection  • for main current circuit spring-loaded terminals  • for main current circuit spring-loaded terminals  • for main contacts  • for main contacts  • solid 2x (0.5 2.5 mm²)  — finely stranded with core end processing 2x (0.5 2.5 mm²)  • for AWG cables for main contacts  • solid or stranded  • finely stranded with core end processing 2x (18 14)  connectable conductor cross-section for main contacts  • solid or stranded  • finely stranded with core end processing 0.5 2.5 mm²  • finely stranded with core end processing 0.5 2.5 mm²  • finely stranded without core end processing 0.5 2.5 mm²  • finely stranded without core end processing 0.5 2.5 mm²  • finely stranded without core end processing 0.5 2.5 mm²  • for auxiliary and control contacts  — solid 0.5 2.5 mm²  • for auxiliary and control contacts  — finely stranded without core end processing 0.5 2.5 mm²  AWG number as coded connectable conductor cross section for main contacts  stripped length of the cable  • for main contacts  • for auxiliary and control contacts  • for auxiliary and control contacts  • for auxiliary and control contacts  • for main contacts  • for main contacts  • for main contacts  • for mail contacts  • for mailing and control contacts  • for auxiliary and control contacts  • for auxiliary and control contacts  • for auxiliary and control contacts  • for mailing and control contacts  • for auxiliary and control contacts		05 mm
depth     88 mm       Connections/ Terminals       type of electrical connection       • for main current circuit     spring-loaded terminals       • for auxiliary and control circuit     spring-loaded terminals       type of connectable conductor cross-sections     (a) Canada (a) Ca		
type of electrical connection  • for main current circuit  • for auxiliary and control circuit  type of connectable conductor cross-sections  • for main contacts  - solid - finely stranded with core end processing - finely stranded without core end processing - finely stranded with core end processing - finely stranded with core end processing - for auxiliary and control contacts - solid - finely stranded with core end processing - for AWG cables for auxiliary and control contacts  AWG number as coded connectable conductor cross section for main contacts - f		
type of electrical connection	·	00 111111
• for main current circuit     • for auxiliary and control circuit      * spring-loaded terminals  ** for auxiliary and control circuit  ** type of connectable conductor cross-sections      • for main contacts      — solid      — finely stranded with core end processing     — finely stranded without core end processing     — finely stranded without core end processing     • for AWG cables for main contacts      • solid or stranded     • finely stranded with core end processing     • finely stranded with core end processing     • finely stranded with core end processing     • finely stranded without core end processing     • for auxiliary and control contacts      • solid     — finely stranded with core end processing     • for auxiliary and control contacts      — solid     — finely stranded with core end processing     • for AWG cables for auxiliary and control contacts      * finely stranded without core end processing     • for AWG cables for auxiliary and control contacts  AWG number as coded connectable conductor cross section for main contacts  ** for main contacts     • for main contacts     • for main contacts     • for main contacts     • for auxiliary and control contacts  ** 7 mm  Safety related data		
• for auxiliary and control circuit      type of connectable conductor cross-sections     • for main contacts         — solid         — finely stranded with core end processing         — finely stranded without core end processing         — for AWG cables for main contacts         • solid or stranded         • finely stranded with core end processing         • for linely stranded with core end processing         • finely stranded with core end processing         • finely stranded with core end processing         • finely stranded without core end processing         • finely stranded without core end processing         • finely stranded without core end processing         • for auxiliary and control contacts          — solid         — solid         — finely stranded with core end processing         • for auxiliary and control contacts          • for AWG cables for auxiliary and control contacts  AWG number as coded connectable conductor cross section for main contacts  stripped length of the cable         • for main contacts         • for main contacts         • for auxiliary and control contacts         • for auxiliary and control contacts         • for auxiliary and control contacts  **Time of or auxiliary and	,,	spring-loaded terminals
type of connectable conductor cross-sections  • for main contacts  — solid — finely stranded with core end processing — finely stranded without core end processing • for AWG cables for main contacts  • solid or stranded • finely stranded with core end processing • for auxiliary and control contacts  — solid — finely stranded with core end processing • for auxiliary and control contacts  — solid — finely stranded with core end processing • for AWG cables for auxiliary and control contacts  10.5 2.5 mm²		
• for main contacts  — solid  — finely stranded with core end processing — finely stranded without core end processing — finely stranded without core end processing  • for AWG cables for main contacts  • solid or stranded • finely stranded with core end processing • finely stranded with core end processing • finely stranded with core end processing • finely stranded without core end processing • for auxiliary and control contacts  • solid — finely stranded with core end processing • for auxiliary and control contacts  — solid — finely stranded without core end processing • for AWG cables for auxiliary and control contacts  • for AWG cables for auxiliary and control contacts  AWG number as coded connectable conductor cross section for main contacts  stripped length of the cable • for main contacts • for auxiliary and control contacts  7 mm  5afety related data	<u> </u>	Spring reason terriman
- solid - finely stranded with core end processing - finely stranded without core end processing - finely stranded without core end processing - for AWG cables for main contacts - solid or stranded - finely stranded with core end processing - finely stranded with core end processing - finely stranded with core end processing - finely stranded without core end processing - finely stranded without core end processing - solid - finely stranded with core end processing - solid - finely stranded with core end processing - finely stranded without core end processing - for AWG cables for auxiliary and control contacts  AWG number as coded connectable conductor cross section for main contacts  stripped length of the cable - for main contacts - for auxiliary and control contacts - for main contacts - for main contacts - for main contacts - for auxiliary and control contacts - for main contacts - for ma		
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- finely stranded without core end processing  • for AWG cables for main contacts  connectable conductor cross-section for main contacts  • solid or stranded  • finely stranded with core end processing  • finely stranded without core end processing  • finely stranded without core end processing  • for auxiliary and control contacts  - solid  - finely stranded with core end processing  • for AWG cables for auxiliary and control contacts  • for AWG cables for auxiliary and control contacts  AWG number as coded connectable conductor cross section for main contacts  stripped length of the cable  • for main contacts  • for auxiliary and control contacts  7 mm  5 active related data		
<ul> <li>for AWG cables for main contacts</li> <li>connectable conductor cross-section for main contacts</li> <li>solid or stranded</li> <li>finely stranded with core end processing</li> <li>finely stranded without core end processing</li> <li>0.5 2.5 mm²</li> <li>finely stranded without core end processing</li> <li>0.5 2.5 mm²</li> </ul> type of connectable conductor cross-sections <ul> <li>for auxiliary and control contacts</li> <li>solid</li> <li>finely stranded with core end processing</li> <li>finely stranded without core end processing</li> <li>0.5 2.5 mm²</li> <li>finely stranded without core end processing</li> <li>for AWG cables for auxiliary and control contacts</li> <li>1x (AWG 20 12)</li> </ul> AWG number as coded connectable conductor cross section for main contacts <ul> <li>for main contacts</li> <li>for main contacts</li> <li>for main contacts</li> <li>for auxiliary and control contacts</li> </ul> 7 mm for auxiliary and control contacts <ul> <li>7 mm</li> </ul> Safety related data		· · · · · · · · · · · · · · · · · · ·
connectable conductor cross-section for main contacts  • solid or stranded • finely stranded with core end processing • finely stranded without core end processing • finely stranded without core end processing  • for auxiliary and control contacts  — solid — finely stranded with core end processing • for auxiliary and control contacts — finely stranded with core end processing — finely stranded without core end processing • for AWG cables for auxiliary and control contacts  AWG number as coded connectable conductor cross section for main contacts  stripped length of the cable • for main contacts • for auxiliary and control contacts  7 mm  5 for auxiliary and control contacts 7 mm  Safety related data		
solid or stranded     finely stranded with core end processing     finely stranded without core end processing     o.5 2.5 mm²  type of connectable conductor cross-sections     for auxiliary and control contacts         — solid         — finely stranded with core end processing         — finely stranded with core end processing         — finely stranded without core end processing         — finely stranded without core end processing         — for AWG cables for auxiliary and control contacts  AWG number as coded connectable conductor cross section for main contacts  stripped length of the cable         • for main contacts         • for auxiliary and control contacts		
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• finely stranded without core end processing      type of connectable conductor cross-sections     • for auxiliary and control contacts     — solid     — finely stranded with core end processing     — finely stranded without core end processing     — finely stranded without core end processing     — for AWG cables for auxiliary and control contacts  AWG number as coded connectable conductor cross section for main contacts  stripped length of the cable     • for main contacts     • for auxiliary and control contacts  7 mm  safety related data	finely stranded with core end processing	
type of connectable conductor cross-sections  • for auxiliary and control contacts  — solid — finely stranded with core end processing — finely stranded without core end processing — finely stranded without core end processing • for AWG cables for auxiliary and control contacts  AWG number as coded connectable conductor cross section for main contacts  stripped length of the cable • for main contacts • for auxiliary and control contacts  7 mm • for auxiliary and control contacts  7 mm  Safety related data		
for auxiliary and control contacts         — solid         — finely stranded with core end processing         — finely stranded without core end processing         — for AWG cables for auxiliary and control contacts  AWG number as coded connectable conductor cross section for main contacts  stripped length of the cable         • for main contacts         • for auxiliary and control contacts  7 mm         • for auxiliary and control contacts  7 mm  Safety related data		
solid finely stranded with core end processing finely stranded without core end processing finely stranded without core end processing for AWG cables for auxiliary and control contacts  AWG number as coded connectable conductor cross section for main contacts  stripped length of the cable for main contacts for auxiliary and control contacts  7 mm for auxiliary and control contacts		
<ul> <li>— finely stranded with core end processing</li> <li>— finely stranded without core end processing</li> <li>● for AWG cables for auxiliary and control contacts</li> <li>AWG number as coded connectable conductor cross section for main contacts</li> <li>stripped length of the cable</li> <li>● for main contacts</li> <li>● for auxiliary and control contacts</li> <li>7 mm</li> <li>Safety related data</li> </ul>	•	0.5 1.5 mm²
- finely stranded without core end processing  • for AWG cables for auxiliary and control contacts  AWG number as coded connectable conductor cross section for main contacts  stripped length of the cable  • for main contacts  • for auxiliary and control contacts  7 mm  • for auxiliary and control contacts  7 mm  Safety related data	<ul> <li>finely stranded with core end processing</li> </ul>	0.5 2.5 mm²
for AWG cables for auxiliary and control contacts  AWG number as coded connectable conductor cross section for main contacts  stripped length of the cable     for main contacts     for auxiliary and control contacts     for auxiliary and control contacts     7 mm  Safety related data	,	0.5 2.5 mm²
AWG number as coded connectable conductor cross section for main contacts  stripped length of the cable  • for main contacts  • for auxiliary and control contacts  7 mm  7 mm  Safety related data		1x (AWG 20 12)
stripped length of the cable  • for main contacts  • for auxiliary and control contacts  7 mm  7 mm  Safety related data	AWG number as coded connectable conductor cross section for	10 14
● for main contacts     ● for auxiliary and control contacts     7 mm     7 mm  Safety related data		
for auxiliary and control contacts     7 mm  Safety related data		
Safety related data		
	·	7 mm
protection class IP on the front according to IEC 60529	Safety related data	
	protection class IP on the front according to IEC 60529	IP20

touch protection on the front according to IEC 60529	finger-safe, for vertical contact from the front	
mbient conditions		
installation altitude at height above sea level maximum	1 000 m	
ambient temperature		
<ul> <li>during operation</li> </ul>	-25 +60 °C	
during storage	-55 +80 °C	
lectromagnetic compatibility		
conducted interference		
<ul> <li>due to burst according to IEC 61000-4-4</li> </ul>	2 kV / 5 kHz behavior criterion 2	
<ul> <li>due to conductor-earth surge according to IEC 61000-4-5</li> </ul>	2 kV behavior criterion 2	
<ul> <li>due to conductor-conductor surge according to IEC 61000-4-5</li> </ul>	1 kV behavior criterion 2	
<ul> <li>due to high-frequency radiation according to IEC 61000- 4-6</li> </ul>	140 dBuV in the frequency range 0.15 80 MHz, behavior criterion 1	
field-based interference according to IEC 61000-4-3	80 MHz 1 GHz 10 V/m, behavior criterion 1	
electrostatic discharge according to IEC 61000-4-2	4 kV contact discharging / 8 kV air discharging, behavior criterion 2	
conducted HF interference emissions according to CISPR11	Class A for industrial environment	
field-bound HF interference emission according to CISPR11	Class B for the domestic, business and commercial environments	
hort-circuit protection, design of the fuse link		
manufacturer's article number		
<ul> <li>of gS fuse for semiconductor protection at NH design usable</li> </ul>	<u>3NE1813-0</u>	
<ul> <li>of full range R fuse link for semiconductor protection at cylindrical design usable</li> </ul>	<u>5SE1316</u>	
<ul> <li>of back-up R fuse link for semiconductor protection at NH design usable</li> </ul>	3NE8015-1	
<ul> <li>of back-up R fuse link for semiconductor protection at cylindrical design 10 x 38 mm usable</li> </ul>	<u>3NC1020</u>	
<ul> <li>of back-up R fuse link for semiconductor protection at cylindrical design 14 x 51 mm usable</li> </ul>	<u>3NC1430</u>	
<ul> <li>of back-up R fuse link for semiconductor protection at cylindrical design 22 x 58 mm usable</li> </ul>	<u>3NC2225</u>	
manufacturer's article number of the gG fuse		
at NH design usable	<u>3NA6803</u>	
• at cylindrical design 10 x 38 mm usable	3NW6001-1; These fuses have a smaller rated current than the semiconductor relays	
• at cylindrical design 14 x 51 mm usable	3NW6101-1: These fuses have a smaller rated current than the semiconductive relays	
manufacturer's article number		
• of NEOZED fuse usable	5SE2306: These fuses have a smaller rated current than the semiconductor relays	
ertificates/ approvals		
General Product Approval	EMC Declaration of C	

**General Product Approval** 

EMC

Declaration of Conformity



Confirmation









Declaration of Conformity

**Test Certificates** 

other

Railway

CE EG-Konf. Type Test Certificates/Test Report

Special Test Certificate

Confirmation



Vibration and Shock

## Further information

Siemens has decided to exit the Russian market (see here).

 $\underline{\text{https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business}}$ 

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

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

https://www.siemens.com/ic10

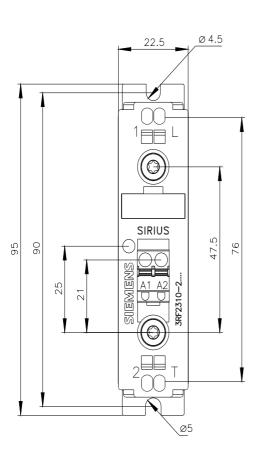
Industry Mall (Online ordering system)
<a href="https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RF2310-2AA22">https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RF2310-2AA22</a>

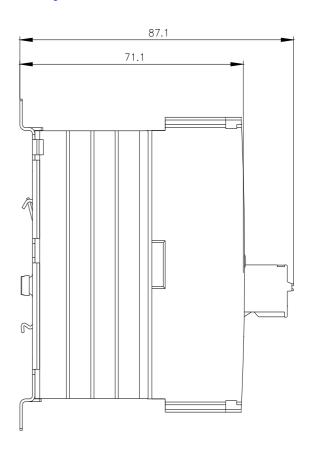
Cax online generator

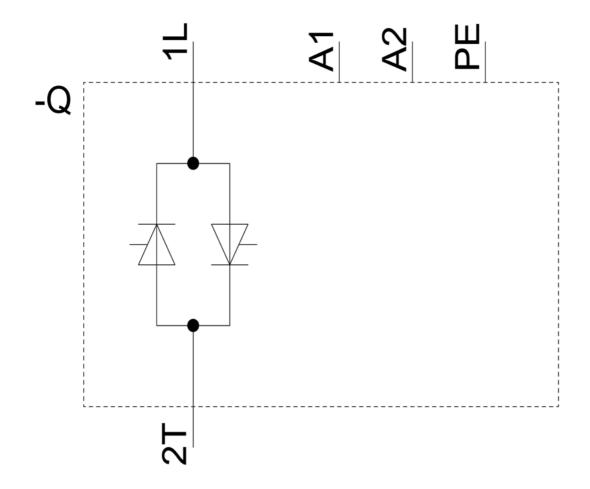
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RF2310-2AA22

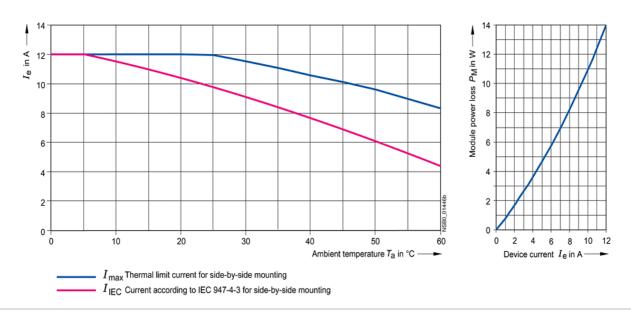
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

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=3RF2310-2AA22&lang=en">http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RF2310-2AA22&lang=en</a>









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