# SIEMENS

### Data sheet

## 3RF2310-1BA22



Solid-state contactor 1-phase 3RF2 AC 15 / 6 A / 40  $^\circ\text{C}$  24-230 V / 110-230 V AC Instantaneous switching

product brand name	SIRIUS
product designation	solid-state contactor
design of the product	single-phase
product type designation	3RF23
manufacturer's article number	
<ul> <li>_1 of the accessories that can be ordered</li> </ul>	<u>3RF2900-3PA88</u>
<ul> <li>_2 of the accessories that can be ordered</li> </ul>	<u>3RF2920-0HA33</u>
<ul> <li>_4 of the accessories that can be ordered</li> </ul>	<u>3RF2920-0GA33</u>
product designation	
<ul> <li>_1 of the accessories that can be ordered</li> </ul>	terminal cover
<ul> <li>_2 of the accessories that can be ordered</li> </ul>	power regulator
<ul> <li>_4 of the accessories that can be ordered</li> </ul>	load monitoring
General technical data	
product function	instantaneous switching
power loss [W] for rated value of the current 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	29
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	
• at 50 Hz rated value	24 230 V
<ul> <li>at 60 Hz rated value</li> </ul>	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
<ul> <li>according to UL 508 rated value</li> </ul>	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	800 V
maximum permissible	
reverse current of the thyristor	10 mA
derating temperature	40 °C
surge current resistance rated value	200 A
I2t value maximum	200 A <sup>2</sup> ·s
Control circuit/ Control	
type of voltage of the control supply voltage	AC
control supply voltage 1 at AC	
• at 50 Hz	110 230 V
• at 60 Hz	110 230 V
control supply voltage frequency <ul> <li>1 rated value</li> </ul>	50 Hz
• 2 rated value	60 Hz
control supply voltage at AC	
<ul> <li>at 50 Hz full-scale value for signal&lt;0&gt; recognition</li> </ul>	40 V
• at 60 Hz full-scale value for signal<0> recognition	40 V
control supply voltage	
<ul> <li>at AC initial value for signal &lt;1&gt; detection</li> </ul>	90 V
symmetrical line frequency tolerance	5 Hz
control current at minimum control supply voltage	
• at AC	2 mA
control current at AC rated value	15 mA
ON-delay time	40 ms
OFF-delay time	40 ms; additionally max. one half-wave
Auxiliary circuit	
number of NC contacts for auxiliary contacts	0
number of NO contacts for auxiliary contacts number of CO contacts for auxiliary contacts	0 0
Installation/ mounting/ dimensions	0
fastening method	screw fixing and snap-on mounting on standard mounting rail 35 mm
	according to IEC 60715
<ul> <li>side-by-side mounting</li> </ul>	Yes
height	95 mm
width	22.5 mm
depth	88 mm
Connections/ Terminals	
type of electrical connection	
for main current circuit	screw-type terminals
for auxiliary and control circuit	screw-type terminals
type of connectable conductor cross-sections • for main contacts	
- solid	2x (1.5 2.5 mm²), 2x (2.5 6 mm²)
<ul> <li>— finely stranded with core end processing</li> </ul>	2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm²
at AWG cables for main contacts	2x (14 10)
connectable conductor cross-section for main	
contacts	45 0 mm2
<ul> <li>solid or stranded</li> <li>finally stranded with core and processing</li> </ul>	1.5 6 mm <sup>2</sup>
<ul> <li>finely stranded with core end processing</li> <li>type of connectable conductor cross-sections</li> </ul>	1 10 mm²
for auxiliary and control contacts	
— solid	1x (0.5 2.5 mm²), 2x (0.5 1.0 mm²)
<ul> <li>finely stranded with core end processing</li> </ul>	$1x (0.5 \dots 2.5 \text{ mm}^2), 2x (0.5 \dots 1.0 \text{ mm}^2)$
— finely stranded without core end processing	1x (0.5 2.5 mm <sup>2</sup> ), 2x (0.5 1.0 mm <sup>2</sup> )
• at AWG cables for auxiliary and control contacts	1x (AWG 20 12)
AWG number as coded connectable conductor cross	10 14
section for main contacts	
tightening torque • for main contacts with screw-type terminals	2 2.5 N·m
<ul> <li>for main contacts with screw-type terminals</li> <li>for auxiliary and control contacts with screw-type</li> </ul>	2 2.5 N·m 0.5 0.6 N·m
terminals	
tightening torque [lbf·in]	
<ul> <li>for main contacts with screw-type terminals</li> </ul>	18 22 lbf·in
<ul> <li>for auxiliary and control contacts with screw-type</li> </ul>	4.5 5.3 lbf·in

design of the function of the connection screw       Md         e ream control controls       Md         e ream controls       T mm         e ream controls       E ream controls         e ream controls       E ream controls <th>terminals</th> <th></th>	terminals	
<ul> <li>e for main contacts</li> <li>e of main contacts</li> <li>e for an contacts</li> <li>e for an contacts</li> <li>for any contacts</li></ul>		
• of the quadriary and control contacts       M3         • of mailing y and control contacts       7 mm         Statisty related data       IP20         protection cases IP on the front according to IEC 60520       IP20         Autor contacts       IP20         autor contacts       1000 m         • during operation       -25 +60 °C         • during operation       -28 +60 °C         • during op	_	M4
eter land and an explore lange lang		
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A for audilary and control contacts       7 mm         Sately related data protection class P on the front according to IEC Bases       IP20 Imperside (and the front according to IEC Bases) Imperside (and the first conditions       IP20 Imperside (and the first conditions)         Installation data and using storage       1000 m       Imperside (and the first conditions)         Installation data the first conditions       1000 m       Imperside (and the first conditions)         Installation data the first conditions to the position of the CF 0100-44       2 kV / 5 kHz behavior criterion 2       2 kV / 5 kHz behavior criterion 2         Installation data the first conductor surge according to IEC 0:00-43       1000 m       2 kV / 5 kHz behavior criterion 2         Installation data the first conductor surge according to IEC 0:00-43       2 kV / 5 kHz behavior criterion 2       1 kV behavior criterion 2         Installation data the first conductor surge according to IEC 0:00-43       1 kV behavior criterion 2       1 kV behavior criterion 1         Installation data the first conductor protection at VM 0:00-43       1 kV behavior criterion 2       1 kV behavior criterion 1         Installation data the first conductor protection at VM 0:00-43       1 kV behavior criterion 1       1 kV behavior criterion 1         Installation data the first conductor protection at VM 0:00-43       1 kV behavior criterion 1       1 kV behavior criterion 1         Instro first conductor protection 0:00 kmc relation addition (additio		7 mm
Safety Protection class IP on the front according to IEC 6829       IP20         Totack protection on the front according to IEC 6829       Ingen-safe, for ventical contact from the front         Ambient conditions       1000 m         Installation altitude at height above sea level maximum ambient temperature       1000 m         • during operation       - 4.0 ° C         • during storage       - 25 + 60 ° C         • due to conductor-admits surge according to IEC 61000-4.4       - 4.0 ° C         • due to burst according to IEC 61000-4.4       - 4.0 ° C         • due to conductor-admits surge according to IEC 61000-4.2       2 KV 15 KHz behavior criterion 2         • due to conductor-admits surge according to IEC 61000-4.2       2 KV 25 KHz behavior criterion 2         • due to conductor-admits surge according to IEC 61000-4.2       140 BaV in the frequency range 0.15 80 MHz, behavior criterion 1         • due to conductor-admits or surge according to IEC 61000-4.2       160 MHz 1 GHz 10 V/m, behavior criterion 1         • due to conductor protection at IVH design usable       0 MHz 1 GHz 10 V/m, behavior criterion 1         • Getto targe R tase link for semiconductor protection at VH design usable       9 NHE18320         • of back-up R tase link for semiconductor protection at VH design usable       9 NHE18320         • of back-up R tase link for semiconductor protection at cylindrical design 14 X S1 mm usable       9 NHE18320     <		
protection class IP on the front according to IEC 60529       IP20         Ambient conditions       Inger-safe, for vertical contact from the front         Instalation altitude at height above sea level maximum ambient temperature       1.000 m         - during storage       1.000 m         - during storage       2.5 +60 °C         - during storage       -25 +60 °C         - due to portection on the front according to IEC 61000-44       -25 +60 °C         - due to burst according to IEC 61000-45       -400 °C         - due to burst according to IEC 61000-42       2.KV / 5.KHz behavior criterion 2         - due to burst according to IEC 61000-43       1.000 m         - electrostatic fieldshare according to IEC 61000-42       1.000 m         - electrostatic fieldshare according to IEC 61000-42       1.000 m         - electrostatic fieldshare according to IEC 61000-42       1.000 m         - electrostatic fieldshare according to IEC 61000-42       1.000 m         - electrostatic fieldshare according to IEC 61000-42       1.000 m         - electrostatic fieldshare according to IEC 61000-42       1.000 m         - electrostatic fieldshare according to IEC 61000-42       1.000 m         - electrostatic fieldshare according to IEC 61000-42       1.000 m         - electrostatic fieldshare according to IEC 61000-42       1.000 m <tr< td=""><td></td><td></td></tr<>		
Bit Start       Inger-safe, for vertical contact from the front         Production on the front according to ECC 60023       Inger-safe, for vertical contact from the front         Production and the designt above sea level maximum       1 000 m         amaintent temperature       -25400 °C         0.000 nF       -25400 °C         Construct for conductor particle compatibility       -25400 °C         Conductor for formation according to ECC 61000-4.3       -26400 °C         0.000 nF       -27400 °C <td< td=""><td></td><td>IP20</td></td<>		IP20
Ambient conditions       1000 m         Installation altude at height above sea level maximum       1000 m         ambient importative       25460 °C         - during sportation       -25460 °C         - during storage       28460 °C         - during storage       28		
Installation attitude at height above sea level maximum       1 000 m         auting storage       - 4.01 (2) generation         - 4.01 (2) generation       - 4.01 (2) (2) (2) (2) (2) (2) (2) (2) (2) (2)	touch protection on the front according to IEC 60529	finger-safe, for vertical contact from the front
ambient temperature       25 + 60 °C         3. during operation       25 + 60 °C         3. during operation       25 + 60 °C         5. during operation       26 V/ 5 Hzt behavior criterion 2         1 W behavior criterion 2       2 W / 5 Hzt behavior criterion 2         1 W behavior criterion 2       1 W behavior criterion 2         1 W behavior criterion 2       1 W behavior criterion 2         1 W behavior criterion 2       1 W behavior criterion 2         1 W behavior criterion 2       2 SW / 5 Hzt behavior criterion 2         1 W behavior criterion 2       2 SW / 5 Hzt behavior criterion 2         1 W behavior criterion 2       2 SW / 5 Hzt behavior criterion 2         1 W behavior criterion 2       2 SW / 5 Hzt behavior criterion 2         1 W behavior criterion 2       2 SW / 5 Hzt behavior criterion 2         1 W behavior criterion 2       2 SW / 5 Hzt behavior criterion 2         1 W behavior protection a 1 Nt       3 SW / 5 Hzt behavior criterion 2	Ambient conditions	
ambient temperature              25 400 °C             35 400 °C             300 °C	installation altitude at height above sea level maximum	1 000 m
e.during storage       -55 +80 °C         Electronagnetic compatibility         conducted interference       2 KV / 5 KHz behavior criterion 2         4. do to burde conductor-arith surge according to IEC       1 KV behavior criterion 2         9. do to fonductor-arith surge according to IEC       1 KV behavior criterion 2         9. do to fonductor-arith surge according to IEC       1 40 dBuV in the frequency range 0.15 80 MHz, behavior criterion 1         9. do to fonductor-arith surge according to IEC 61000-43       90 MHz 1 642 to V/m, behavior criterion 1         9. do to full frequency range 0.15 80 MHz, behavior criterion 2       Class A for industrial environment         0. do to full reference emissions according to IEC 61000-43       00 MHz 1 642 to V/m, behavior criterion 2         0. dottor-ariter to reaccording to IEC 61000-43       00 MHz 1 642 to V/m, behavior criterion 2         0. dottor-ariter to reaccording to IEC 61000-43       00 MHz 1 642 to V/m, behavior criterion 2         0. dottor-ariter to reaccording to IEC 61000-43       00 MHz 1 642 to V/m, behavior criterion 2         0. dottor-ariter to reaccording to IEC 61000-43       00 MHz 1 642 to V/m, behavior criterion 2         0. dottor-ariter to reaccording to IEC 61000-43       00 MEz 1 642 to V/m, behavior criterion 2         0. dottor-ariter to reaccording to IEC 61000-43       00 MEz 1 642 to V/m, behavior criterion 2         0. dottor-ariterion to reac	-	
Electromagnetic compatibility         conducted interference         - due to bust according to IEC 61000-4.4         - due to conductor-conductor surge according to IEC 61000-4.5         - due to kipl-frequency radiation according to IEC 61000-4.5         - field-based interference according to IEC 61000-4.3         - due to kipl-frequency radiation according to IEC 61000-4.3         - field-based interference according to IEC 61000-4.3         - ond based based according to IEC 61000-4.3         - ond the finterference according to IEC 61000-4.3         <	during operation	-25 +60 °C
conducted interference            • due to burst according to IEC 61000-4.4 • due to conductor-conductor surge according to IEC fito00-4.5        2 KV / 5 kHz behavior criterion 2 2 KV / 5 kHz behavior criterion 2 2 KV behavior criterion 2 1 KV behavior criterion 2	<ul> <li>during storage</li> </ul>	-55 +80 °C
<ul> <li>4 due to burst according to IEC 61000-44</li> <li>4 due to conductor-earth surge according to IEC 61000-45</li> <li>4 due to conductor-conductor surge according to IEC 61000-45</li> <li>4 due to conductor-conductor surge according to IEC 61000-45</li> <li>4 due to according to IEC 61000-42</li> <li>5 due to according to</li></ul>	Electromagnetic compatibility	
	conducted interference	
61000-4-5       1 kV behavior criterion 2         9. oue to high-frequency radiation according to IEC 61000-42       140 dBuV in the frequency range 0.15 80 MHz, behavior criterion 1         8. field-based interference according to IEC 61000-42       140 dBuV in the frequency range 0.15 80 MHz, behavior criterion 2         Class A for industrial environment       20 MHz, behavior criterion 2         Class A for industrial environment       20 as A for industrial environment         Class A for industrial environment       20 ME3 80 MHz, behavior criterion 2         Class A for industrial environment       20 as A for industrial environment         Class A for industrial environment       20 ME3 80 MHz, behavior criterion 2         Class A for industrial environment       20 ME3 80 MHz, behavior criterion 2         Class A for industrial environment       20 as A for industrial environment         Class A for industrial environment       20 ME3 80 MHz, behavior criterion 2         Statistical environment       20 as A for industrial environment         Class A for industrial environment       20 as A for industrial environment         Statistical environment       30 ME3 30 Mission         Statistical environment       30 ME3 30 Mission         Statistical environment       30 Mission         Statistical environment       30 Mission         Statistin and statistical	<ul> <li>due to burst according to IEC 61000-4-4</li> </ul>	2 kV / 5 kHz behavior criterion 2
61000-4-5       1 kV behavior criterion 2         9. oue to high-frequency radiation according to IEC 61000-42       140 dBuV in the frequency range 0.15 80 MHz, behavior criterion 1         8. field-based interference according to IEC 61000-42       140 dBuV in the frequency range 0.15 80 MHz, behavior criterion 2         Class A for industrial environment       20 MHz, behavior criterion 2         Class A for industrial environment       20 as A for industrial environment         Class A for industrial environment       20 ME3 80 MHz, behavior criterion 2         Class A for industrial environment       20 as A for industrial environment         Class A for industrial environment       20 ME3 80 MHz, behavior criterion 2         Class A for industrial environment       20 ME3 80 MHz, behavior criterion 2         Class A for industrial environment       20 as A for industrial environment         Class A for industrial environment       20 ME3 80 MHz, behavior criterion 2         Statistical environment       20 as A for industrial environment         Class A for industrial environment       20 as A for industrial environment         Statistical environment       30 ME3 30 Mission         Statistical environment       30 ME3 30 Mission         Statistical environment       30 Mission         Statistical environment       30 Mission         Statistin and statistical	<ul> <li>due to conductor-earth surge according to IEC</li> </ul>	2 kV behavior criterion 2
<ul> <li>Bitological design value</li> &lt;</ul>	61000-4-5	
61000-4-6       field-based interference according to IEC 61000-4-2 conducted HF interference emissions according to CISPR11       80 MHz 1 GHz 10 V/m, behavior criterion 1         4 KV contact discharging / 8 KV air discharging, behavior criterion 2 Class A for industrial environment       Class A for industrial environment         Store-tricul protection, design of the fuse link manufacturer's article number         • of gS fuse for semiconductor protection at cylindrical design usable       SNE1813-0         • of ack-up R fuse link for semiconductor protection at cylindrical design 10 x 38 mm usable       SNE1813-0         • of back-up R fuse link for semiconductor protection at cylindrical design 10 x 38 mm usable       SNE1813-0         • of back-up R fuse link for semiconductor protection at cylindrical design 10 x 38 mm usable       SNE1813-0         • of back-up R fuse link for semiconductor protection at cylindrical design 10 x 38 mm usable       SNE18015-1         • at cylindrical design 10 x 38 mm usable       SNE1803         • at cylindrical design 14 x 51 mm usable       SNE2306: These fuses have a smaller rated current than the semiconductor relays         SE2306: These fuses have a smaller rated current than the semiconductor relays         SNE2306: These fuses have a smaller rated current than the semiconductor relays         SNE2306: These fuses have a smaller rated current than the semiconductor relays         SNE2306: These fuses have a smaller rated current than the semiconductor relays         SNE230		1 kV behavior criterion 2
electrostatic discharge according to IEC 61000-4-2. conducted HF interference emissions according to CISPR11       4 kV contact discharging / 8 kV air discharging, behavior criterion 2 Class A for industrial environment         Start-circuit protection, design of the fuse link manufacturer's article number of full range R fuse link for semiconductor protection at cylindrical design usable       3NE1813-0         • of back-up R fuse link for semiconductor protection at cylindrical design 10 x 38 mm usable       3NE1813-0         • of back-up R fuse link for semiconductor protection at cylindrical design 10 x 38 mm usable       3NE1813-0         • of back-up R fuse link for semiconductor protection at cylindrical design 10 x 38 mm usable       3NE1813-0         • of back-up R fuse link for semiconductor protection at cylindrical design 10 x 38 mm usable       3NE1813-0         • of back-up R fuse link for semiconductor protection at cylindrical design 10 x 38 mm usable       3NC1020         • at cylindrical design 10 x 38 mm usable       SNA6803         • at cylindrical design 14 x 51 mm usable       SNA6803         • of NEOZED fuse usable       SSE2306: These fuses have a smaller rated current than the semiconductor relays         Centricates approvals       EMC       Declaration of Conformity         Centration       Confirmation       Conformity         Imaufacturer's article number       EMC       Declaration of Conformity         Centration of Conformity       Imaufacturerated current than the se		140 dBuV in the frequency range 0.15 80 MHz, behavior criterion 1
electrostatic discharge according to IEC 61000-4-2. conducted HF interference emissions according to CISPR11       4 kV contact discharging / 8 kV air discharging, behavior criterion 2 Class A for industrial environment         Start-circuit protection, design of the fuse link manufacturer's article number of full range R fuse link for semiconductor protection at cylindrical design usable       3NE1813-0         • of back-up R fuse link for semiconductor protection at cylindrical design 10 x 38 mm usable       3NE1813-0         • of back-up R fuse link for semiconductor protection at cylindrical design 10 x 38 mm usable       3NE1813-0         • of back-up R fuse link for semiconductor protection at cylindrical design 10 x 38 mm usable       3NE1813-0         • of back-up R fuse link for semiconductor protection at cylindrical design 10 x 38 mm usable       3NE1813-0         • of back-up R fuse link for semiconductor protection at cylindrical design 10 x 38 mm usable       3NC1020         • at cylindrical design 10 x 38 mm usable       SNA6803         • at cylindrical design 14 x 51 mm usable       SNA6803         • of NEOZED fuse usable       SSE2306: These fuses have a smaller rated current than the semiconductor relays         Centricates approvals       EMC       Declaration of Conformity         Centration       Confirmation       Conformity         Imaufacturer's article number       EMC       Declaration of Conformity         Centration of Conformity       Imaufacturerated current than the se	field-based interference according to IEC 61000-4-3	80 MHz 1 GHz 10 V/m, behavior criterion 1
Class B for the domestic, business and commercial environments         Class B for the domestic, business and commercial environments         Short-circuit protection, design of the fuse link         Marketure's article number         and EqS fuse for semiconductor protection at NH design usable         and EqS fuse link for semiconductor protection at NH design usable         and EqS fuse link for semiconductor protection at NH design usable         and EqS fuse link for semiconductor protection at NH design usable         and EqS fuse link for semiconductor protection at NH design usable         and EqS fuse link for semiconductor protection at cylindrical design 14 x 51 mm usable         and cylindrical design 12 x 58 mm usable         ant cylindrical design 14 x 51 mm usable         at cylindrical design 10 x 38 mm usable <t< td=""><td>electrostatic discharge according to IEC 61000-4-2</td><td>4 kV contact discharging / 8 kV air discharging, behavior criterion 2</td></t<>	electrostatic discharge according to IEC 61000-4-2	4 kV contact discharging / 8 kV air discharging, behavior criterion 2
Bid-bound HF interference emission according to DSM-Click Physical Research and Second Sec	conducted HF interference emissions according to	Class A for industrial environment
CISPR11         Short-circuit protection, design of the fuse link to semiconductor protection at NH design usable         • of gS fuse for semiconductor protection at cylindrical design usable       SNE1813-0         • of back-up R fuse link for semiconductor protection at cylindrical design 10 x 38 mm usable       SNE1811-1         • of back-up R fuse link for semiconductor protection at cylindrical design 10 x 38 mm usable       SNE18015-1         • of back-up R fuse link for semiconductor protection at cylindrical design 10 x 38 mm usable       SNE18015-1         • at cylindrical design 10 x 38 mm usable       SNE1803         • at cylindrical design 14 x 51 mm usable       SNE2306: These fuses have a smaller rated current than the semiconductor relays         manufacturer's article number       SNE2306: These fuses have a smaller rated current than the semiconductor relays         SNE1010-1: These fuses have a smaller rated current than the semiconductor relays         SNE2306: These fuses have a smaller rated current than the semiconductor relays         SNE2306: These fuses have a smaller rated current than the semiconductor relays         Certificates/ approvals       EMC       Declaration of conformity         Confirmation       Image:		
manufacturer's article number       • of gS fuse for semiconductor protection at NH       SNE1813-0         of gS fuse for semiconductor protection at cylindrical design usable       • of back-up R fuse link for semiconductor protection at cylindrical design 10 x 38 mm usable       SNE1813-0         • of back-up R fuse link for semiconductor protection at cylindrical design 10 x 38 mm usable       SNE1813-0         • of back-up R fuse link for semiconductor protection at cylindrical design 10 x 38 mm usable       SNC1020         • of back-up R fuse link for semiconductor protection at cylindrical design 10 x 38 mm usable       SNC1020         • at cylindrical design 10 x 38 mm usable       SNA6803         • at cylindrical design 14 x 51 mm usable       SNA6803         • of NEOZED fuse usable       SSE2306: These fuses have a smaller rated current than the semiconductor relays         Scartificates/ approvals       EMC         Certificates/ approvals       EMC         Confirmation       Image: Note Neight Neig		Class B for the domestic, business and commercial environments
<ul> <li>of gS fuse for semiconductor protection at NH design usable</li> <li>of back-up R fuse link for semiconductor protection at cylindrical design 10 x 38 mm usable</li> <li>of back-up R fuse link for semiconductor protection at cylindrical design 14 x 51 mm usable</li> <li>of back-up R fuse link for semiconductor protection at cylindrical design 10 x 38 mm usable</li> <li>and the design usable</li> <li>and cylindrical design 10 x 38 mm usable</li> <li>byte 10 the cylindrical design 10 x 38 mm usable</li> <li>byte 10 the cylindrical design 10 x 38 mm usable</li> <li>byte 10 the cylindrical design 10 x 38 mm usable</li> <li>byte 10 the cylindrical design 10 x 38 mm usable</li> <li>byte 10 the cylindrical design 10 x 38 mm usable</li> <li>byte 22306: These fuses have a smaller rated current than the semiconductor relays</li> <li>byte 22306: Thes</li></ul>	Short-circuit protection, design of the fuse link	
design usable <ul> <li>of full range R fuse link for semiconductor protection at cylindrical design usable</li> <li>of back-up R fuse link for semiconductor protection at cylindrical design 10 x 38 mm usable</li> <li>of back-up R fuse link for semiconductor protection at cylindrical design 10 x 38 mm usable</li> <li>of back-up R fuse link for semiconductor protection at cylindrical design 10 x 38 mm usable</li> <li>of back-up R fuse link for semiconductor protection at cylindrical design 10 x 38 mm usable</li> <li>of back-up R fuse link for semiconductor protection at cylindrical design 10 x 38 mm usable</li> <li>at cylindrical design 14 x 51 mm usable</li> <li>at cylindrical design 14 x 51 mm usable</li> <li>of NEOZED fuse usable</li> </ul> <ul> <li>SSE2306: These fuses have a smaller rated current than the semiconductor relays</li> <li>SSE2306: These fuses have a smaller rated current than the semiconductor relays</li> </ul> Certificates/ approval         EMC         Declaration of Conformity	manufacturer's article number	
at cylindrical design usable • of back-up R fuse link for semiconductor protection at cylindrical design 10 x 38 mm usable • of back-up R fuse link for semiconductor protection at cylindrical design 14 x 51 mm usable • at cylindrical design 10 x 38 mm usable • at cylindrical design 14 x 51 mm usable • at cylindrical d		<u>3NE1813-0</u>
at NH design usable • of back-up R fuse link for semiconductor protection at cylindrical design 14 x 51 mm usable • of back-up R fuse link for semiconductor protection at cylindrical design 24 x 58 mm usable • of back-up R fuse link for semiconductor protection at cylindrical design 10 x 38 mm usable • at cylindrical design 14 x 51 mm usable • at cylindrical		5SE1316
at cylindrical design 10 x 38 mm usable • of back-up R fuse link for semiconductor protection at cylindrical design 14 x 51 mm usable • at cylindrical design 10 x 38 mm usable • at cylindrical design 14 x 51 mm usable • at cylindrical design 10 x 38 mm usable • at cylindrical design 10 x 51 mm usable • at cylindrical design 10 x 51 mm usable • at cylindrical design 10 x 38 mm usable • at cylindrical		<u>3NE8015-1</u>
at cylindrical design 14 x 51 mm usable   • of back-up R fuse link for semiconductor protection at cylindrical design 22 x 58 mm usable   manufacturer's article number of the gG fuse   • at cylindrical design 10 x 38 mm usable   • at cylindrical design 10 x 38 mm usable   • at cylindrical design 10 x 38 mm usable   • at cylindrical design 10 x 38 mm usable   • at cylindrical design 10 x 38 mm usable   • at cylindrical design 10 x 38 mm usable   • at cylindrical design 14 x 51 mm usable   • at cylindrical design 14 x 51 mm usable   manufacturer's article number   • of NEOZED fuse usable   • of NEOZED fuse usable   Certificates/ approvals   Certificates/ approvals   Certificates/ approvals   Centirmation   Confirmation               Imation		<u>3NC1020</u>
at cylindrical design 22 x 58 mm usable manufacturer's article number of the gG fuse • at cylindrical design 10 x 38 mm usable • at cylindrical design 14 x 51 mm usable manufacturer's article number • of NEOZED fuse usable <b>SSE2306</b> : These fuses have a smaller rated current than the semiconductor relays <b>SSE2306</b> : These fuses have a smaller rated current than the semiconductor relays <b>Certificates/ approvals</b> <b>EMC</b> Declaration of Confirmation <b>Confirmation</b> <b>Confirmation</b> <b>Confirmation</b> <b>Confirmation</b> <b>Confirmation</b> <b>Confirmation</b> <b>Confirmation</b> <b>Confirmation</b> <b>Confirmation</b> <b>Confirmation</b> <b>Confirmation</b> <b>Confirmation</b> <b>Confirmation</b> <b>Confirmation</b> <b>Confirmation</b> <b>Confirmation</b> <b>Confirmation</b> <b>Confirmation</b> <b>Confirmation</b> <b>Confirmation</b> <b>Confirmation</b> <b>Confirmation</b> <b>Confirmation</b> <b>Confirmation</b> <b>Confirmation</b> <b>Confirmation</b> <b>Confirmation</b> <b>Confirmation</b> <b>Confirmation</b> <b>Confirmation</b> <b>Confirmation</b> <b>Confirmation</b> <b>Confirmation</b> <b>Confirmation</b> <b>Confirmation</b> <b>Confirmation</b> <b>Confirmation</b> <b>Confirmation</b> <b>Confirmation</b> <b>Confirmation</b> <b>Confirmation</b> <b>Confirmation</b> <b>Confirmation</b> <b>Confirmation</b> <b>Confirmation</b> <b>Confirmation</b> <b>Confirmation</b> <b>Confirmation</b> <b>Confirmation</b> <b>Confirmation</b> <b>Confirmation</b> <b>Confirmation</b> <b>Confirmation</b> <b>Confirmation</b> <b>Confirmation</b> <b>Confirmation</b> <b>Confirmation</b> <b>Confirmation</b> <b>Confirmation</b> <b>Confirmation</b> <b>Confirmation</b> <b>Confirmation</b> <b>Confirmation</b> <b>Confirmation</b> <b>Confirmation</b> <b>Confirmation</b> <b>Confirmation</b> <b>Confirmation</b> <b>Confirmation</b> <b>Confirmation</b> <b>Confirmation</b> <b>Confirmation</b> <b>Confirmation</b> <b>Confirmation</b> <b>Confirmation</b> <b>Confirmation</b> <b>Confirmation</b> <b>Confirmation</b> <b>Confirmation</b> <b>Confirmation</b> <b>Confirmation</b> <b>Confirmation</b> <b>Confirmation</b> <b>Confirmation</b> <b>Confirmation</b> <b>Confirmation</b> <b>Confirmation</b> <b>Confirmation</b> <b>Confirmation</b> <b>Confirmation</b> <b>Confirmation</b> <b>Confirmation</b> <b>Confirmation</b> <b>Confirmation</b> <b>Confirmation</b> <b>Confirmation</b> <b>Confirmation</b> <b>Confirmation</b> <b>Confirmation</b> <b>C</b>		<u>3NC1430</u>
manufacturer's article number of the gG fuse       at NH design usable         • at cylindrical design 10 x 38 mm usable       at cylindrical design 10 x 38 mm usable         • at cylindrical design 14 x 51 mm usable       3NA6803         manufacturer's article number       at cylindrical design 14 x 51 mm usable         • of NEOZED fuse usable       5SE2306: These fuses have a smaller rated current than the semiconductor relays         Stream of NEOZED fuse usable       5SE2306: These fuses have a smaller rated current than the semiconductor relays         Certificates/ approvals       EMC       Declaration of Conformity         General Product Approval       EMC       Declaration of Conformity         Confirmation       Image: Confirmation       Image: Confirmation       Image: Confirmation		<u>3NC2225</u>
<ul> <li>at NH design usable</li> <li>at cylindrical design 10 x 38 mm usable</li> <li>at cylindrical design 14 x 51 mm usable</li> <li>bit cylindric</li></ul>		
<ul> <li>at cylindrical design 10 x 38 mm usable</li> <li>at cylindrical design 14 x 51 mm usable</li> <li>at cylindrical design 14 x 51 mm usable</li> <li>manufacturer's article number</li> <li>of NEOZED fuse usable</li> <li>SSE2306: These fuses have a smaller rated current than the semiconductor relays</li> <li>SSE2306: These fuses have a smaller rated current than the semiconductor relays</li> </ul>	-	
• at cylindrical design 14 x 51 mm usable   manufacturer's article number   • of NEOZED fuse usable   SE2306: These fuses have a smaller rated current than the semiconductor relays   SE2306: These fuses have a smaller rated current than the semiconductor relays   Certificates/ approvals   General Product Approval   Confirmation   Confirmation   Upper limit on	-	
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#### Conformity



Special Test Certificate <u>Type Test Certific-</u> <u>ates/Test Report</u> Confirmation



Vibration and Shock

#### **Further information**

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

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RF2310-1BA22

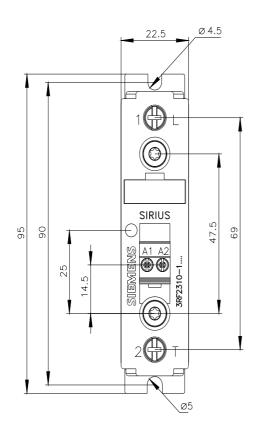
Cax online generator

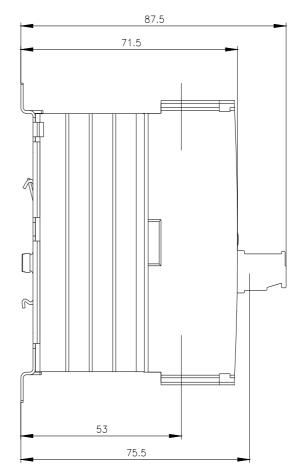
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RF2310-1BA22

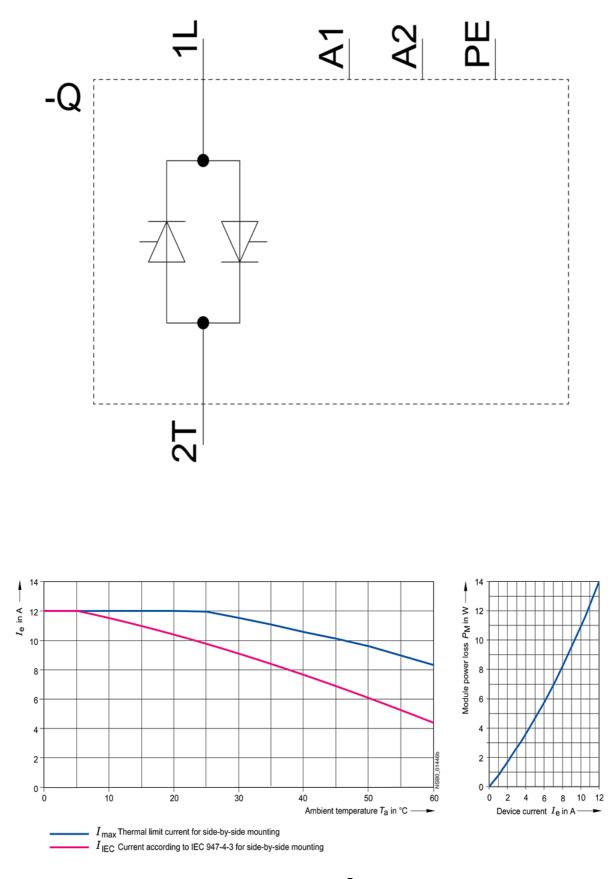
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/ww/en/ps/3RF2310-1BA22

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=3RF2310-1BA22&lang=en">http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RF2310-1BA22&lang=en</a>







last modified:

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