## **SIEMENS**

Data sheet 3RF2330-1AA24



Solid-state contactor 1-phase 3RF2 AC 51/ 30 A / 40  $^{\circ}\text{C}$  48-460 V / 110-230 V AC screw terminal

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>	3RF2900-3PA88
<ul><li>_4 of the accessories that can be ordered</li></ul>	3RF2950-0GA36
product designation	
<ul><li>_1 of the accessories that can be ordered</li></ul>	terminal cover
<ul><li>_4 of the accessories that can be ordered</li></ul>	load monitoring
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>	33 W
<ul> <li>at AC in hot operating state per pole</li> </ul>	33 W
without load current share typical	3.5 W
insulation voltage rated value	600 V
degree of pollution	3
type of voltage	
<ul> <li>of the operating voltage</li> </ul>	AC
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 DIN 40719 extended according to IEC 204-2 according to IEC 750	К
reference code according to EN 61346-2	Q
reference code according to IEC 81346-2	Q
Substance Prohibitance (Date)	07/01/2006
SVHC substance name	Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 Dibutylbis(pentane-2,4-dionato-O,O')tin - 22673-19-4
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
type of voltage of the operating voltage	AC
operating voltage	
• at AC	
— at 50 Hz rated value	48 460 V
— at 60 Hz rated value	48 460 V

operating frequency rated value	50 60 Hz
operating range relative to the operating voltage at AC	
● at 50 Hz	40 506 V
• at 60 Hz	40 506 V
operational current	
• at AC-51 rated value	30 A
<ul> <li>at AC-51 according to IEC 60947-4-3</li> </ul>	22 A
according to UL 508 rated value	27 A
operational current minimum	500 mA
rate of voltage rise at the thyristor for main contacts	1 000 V/µs
maximum permissible	· ·
blocking voltage at the thyristor for main contacts maximum permissible	1 200 V
reverse current of the thyristor	10 mA
derating temperature	40 °C
surge current resistance rated value	600 A
I2t value maximum	1 800 A²-s
Control circuit/ Control	
type of voltage of the control supply voltage	AC
control supply voltage 1 at AC	7.0
• at 50 Hz	110 230 V
	110 230 V
• at 60 Hz	110 230 V
control supply voltage frequency	FOLI
• 1 rated value	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; additionally max. one half-wave
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	0
number of CO contacts for auxiliary contacts	0
Installation/ mounting/ dimensions	V
fastening method side-by-side mounting	Yes
fastening method	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
<u> </u>	95 mm
height	
width	45 mm
depth	135.5 mm
Connections/ Terminals	
product component removable terminal for auxiliary and control circuit	Yes
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)
finely stranded with core end processing	2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm²
for AWG cables for main contacts	2x (14 10)
	,
connectable conductor cross-section for main contacts  • solid or stranded	1.5 6 mm²

finely stranded with core end processing	1 10 mm²
type of connectable conductor cross-sections	
<ul> <li>for auxiliary and control contacts</li> </ul>	
— 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 2.5 mm²), 2x (0.5 1.0 mm²)
<ul> <li>finely stranded without core end processing</li> </ul>	1x (0.5 2.5 mm²), 2x (0.5 1.0 mm²)
for AWG cables for auxiliary and control contacts	1x (AWG 20 12)
AWG number as coded connectable conductor cross section for	10 14
main contacts	
tightening torque	
<ul> <li>for main contacts with screw-type terminals</li> </ul>	2 2.5 N·m
<ul> <li>for auxiliary and control contacts with screw-type</li> </ul>	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
terminals	
design of the thread of the connection screw	
for main contacts	M4
of the auxiliary and control contacts	M3
stripped length of the cable	
for main contacts	7 mm
for auxiliary and control contacts    Control Control   Contr	7 mm
Electrical Safety	
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
Ambient conditions	
installation altitude at height above sea level maximum	1 000 m
ambient temperature	
during operation	-25 +60 °C
during storage	-55 +80 °C
Electromagnetic compatibility	
conducted interference	
conducted interference	2 W// 5 kHz behavior criterios 2
• due to burst according to IEC 61000-4-4	2 kV / 5 kHz behavior criterion 2
<ul> <li>due to burst according to IEC 61000-4-4</li> <li>due to conductor-earth surge according to IEC 61000-4-5</li> </ul>	2 kV behavior criterion 2
• due to burst according to IEC 61000-4-4	
<ul> <li>due to burst according to IEC 61000-4-4</li> <li>due to conductor-earth surge according to IEC 61000-4-5</li> <li>due to conductor-conductor surge according to IEC</li> </ul>	2 kV behavior criterion 2
<ul> <li>due to burst according to IEC 61000-4-4</li> <li>due to conductor-earth surge according to IEC 61000-4-5</li> <li>due to conductor-conductor surge according to IEC 61000-4-5</li> <li>due to high-frequency radiation according to IEC 61000-</li> </ul>	2 kV behavior criterion 2 1 kV behavior criterion 2
<ul> <li>due to burst according to IEC 61000-4-4</li> <li>due to conductor-earth surge according to IEC 61000-4-5</li> <li>due to conductor-conductor surge according to IEC 61000-4-5</li> <li>due to high-frequency radiation according to IEC 61000-4-6</li> </ul>	2 kV behavior criterion 2 1 kV behavior criterion 2 140 dBuV in the frequency range 0.15 80 MHz, behavior criterion 1
<ul> <li>due to burst according to IEC 61000-4-4</li> <li>due to conductor-earth surge according to IEC 61000-4-5</li> <li>due to conductor-conductor surge according to IEC 61000-4-5</li> <li>due to high-frequency radiation according to IEC 61000-4-6</li> <li>field-based interference according to IEC 61000-4-3</li> </ul>	2 kV behavior criterion 2 1 kV behavior criterion 2 140 dBuV in the frequency range 0.15 80 MHz, behavior criterion 1 80 MHz 1 GHz 10 V/m, behavior criterion 1
due to burst according to IEC 61000-4-4     due to conductor-earth surge according to IEC 61000-4-5     due to conductor-conductor surge according to IEC 61000-4-5     due to high-frequency radiation according to IEC 61000-4-6  field-based interference according to IEC 61000-4-3 electrostatic discharge according to IEC 61000-4-2	2 kV behavior criterion 2 1 kV behavior criterion 2 140 dBuV in the frequency range 0.15 80 MHz, behavior criterion 1 80 MHz 1 GHz 10 V/m, behavior criterion 1 4 kV contact discharging / 8 kV air discharging, behavior criterion 2
due to burst according to IEC 61000-4-4     due to conductor-earth surge according to IEC 61000-4-5     due to conductor-conductor surge according to IEC 61000-4-5     due to high-frequency radiation according to IEC 61000-4-6  field-based interference according to IEC 61000-4-3 electrostatic discharge according to IEC 61000-4-2 conducted HF interference emissions according to	2 kV behavior criterion 2 1 kV behavior criterion 2 140 dBuV in the frequency range 0.15 80 MHz, behavior criterion 1 80 MHz 1 GHz 10 V/m, behavior criterion 1 4 kV contact discharging / 8 kV air discharging, behavior criterion 2
due to burst according to IEC 61000-4-4     due to conductor-earth surge according to IEC 61000-4-5     due to conductor-conductor surge according to IEC 61000-4-5     due to high-frequency radiation according to IEC 61000-4-6  field-based interference according to IEC 61000-4-3 electrostatic discharge according to IEC 61000-4-2 conducted HF interference emissions according to CISPR11	2 kV behavior criterion 2 1 kV behavior criterion 2 140 dBuV in the frequency range 0.15 80 MHz, behavior criterion 1 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
• due to burst according to IEC 61000-4-4     • due to conductor-earth surge according to IEC 61000-4-5     • due to conductor-conductor surge according to IEC 61000-4-5     • due to high-frequency radiation according to IEC 61000-4-6     field-based interference according to IEC 61000-4-3     electrostatic discharge according to IEC 61000-4-2     conducted HF interference emissions according to CISPR11     field-bound HF interference emission according to CISPR11	2 kV behavior criterion 2 1 kV behavior criterion 2 140 dBuV in the frequency range 0.15 80 MHz, behavior criterion 1 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
• due to burst according to IEC 61000-4-4     • due to conductor-earth surge according to IEC 61000-4-5     • due to conductor-conductor surge according to IEC 61000-4-5     • due to high-frequency radiation according to IEC 61000-4-6  field-based interference according to IEC 61000-4-3 electrostatic discharge according to IEC 61000-4-2 conducted HF interference emissions according to CISPR11 field-bound HF interference emission according to CISPR11 Short-circuit protection, design of the fuse link	2 kV behavior criterion 2 1 kV behavior criterion 2 140 dBuV in the frequency range 0.15 80 MHz, behavior criterion 1 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
• due to burst according to IEC 61000-4-4     • due to conductor-earth surge according to IEC 61000-4-5     • due to conductor-conductor surge according to IEC 61000-4-5     • due to high-frequency radiation according to IEC 61000-4-6  field-based interference according to IEC 61000-4-3 electrostatic discharge according to IEC 61000-4-2 conducted HF interference emissions according to CISPR11 field-bound HF interference emission according to CISPR11 Short-circuit protection, design of the fuse link manufacturer's article number     • of gS fuse for semiconductor protection at NH design usable     • of full range R fuse link for semiconductor protection at	2 kV behavior criterion 2 1 kV behavior criterion 2 140 dBuV in the frequency range 0.15 80 MHz, behavior criterion 1 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 B for the domestic, business and commercial environments
• due to burst according to IEC 61000-4-4     • due to conductor-earth surge according to IEC 61000-4-5     • due to conductor-conductor surge according to IEC 61000-4-5     • due to high-frequency radiation according to IEC 61000-4-6  field-based interference according to IEC 61000-4-3 electrostatic discharge according to IEC 61000-4-2 conducted HF interference emissions according to CISPR11 field-bound HF interference emission according to CISPR11 Short-circuit protection, design of the fuse link manufacturer's article number     • of gS fuse for semiconductor protection at NH design usable     • of full range R fuse link for semiconductor protection at cylindrical design usable     • of back-up R fuse link for semiconductor protection at NH	2 kV behavior criterion 2 1 kV behavior criterion 2 140 dBuV in the frequency range 0.15 80 MHz, behavior criterion 1 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 B for the domestic, business and commercial environments  3NE1803-0
• due to burst according to IEC 61000-4-4     • due to conductor-earth surge according to IEC 61000-4-5     • due to conductor-conductor surge according to IEC 61000-4-5     • due to high-frequency radiation according to IEC 61000-4-6  field-based interference according to IEC 61000-4-3 electrostatic discharge according to IEC 61000-4-2 conducted HF interference emissions according to CISPR11  field-bound HF interference emission according to CISPR11 Short-circuit protection, design of the fuse link manufacturer's article number     • of gS fuse for semiconductor protection at NH design usable     • of full range R fuse link for semiconductor protection at NH design usable     • of back-up R fuse link for semiconductor protection at NH design usable     • of back-up R fuse link for semiconductor protection at NH design usable     • of back-up R fuse link for semiconductor protection at	2 kV behavior criterion 2 1 kV behavior criterion 2 140 dBuV in the frequency range 0.15 80 MHz, behavior criterion 1 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 B for the domestic, business and commercial environments  3NE1803-0 5SE1335
• due to burst according to IEC 61000-4-4     • due to conductor-earth surge according to IEC 61000-4-5     • due to conductor-conductor surge according to IEC 61000-4-5     • due to high-frequency radiation according to IEC 61000-4-6     field-based interference according to IEC 61000-4-3     electrostatic discharge according to IEC 61000-4-2     conducted HF interference emissions according to CISPR11     field-bound HF interference emission according to CISPR11     Short-circuit protection, design of the fuse link     manufacturer's article number     • of gS fuse for semiconductor protection at NH design usable     • of full range R fuse link for semiconductor protection 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 10 x 38 mm 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 10 x 38 mm 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	2 kV behavior criterion 2 1 kV behavior criterion 2 140 dBuV in the frequency range 0.15 80 MHz, behavior criterion 1 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 B for the domestic, business and commercial environments  3NE1803-0 5SE1335 3NE8003-1
• due to burst according to IEC 61000-4-4     • due to conductor-earth surge according to IEC 61000-4-5     • due to conductor-conductor surge according to IEC 61000-4-5     • due to high-frequency radiation according to IEC 61000-4-6     • due to high-frequency radiation according to IEC 61000-4-6  field-based interference according to IEC 61000-4-3 electrostatic discharge according to IEC 61000-4-2 conducted HF interference emissions according to CISPR11  field-bound HF interference emission according to CISPR11 Short-circuit protection, design of the fuse link manufacturer's article number     • of gS fuse for semiconductor protection at NH design usable     • of full range R fuse link for semiconductor protection 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     • 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 14 x 51 mm usable     • of back-up R fuse link for semiconductor protection at	2 kV behavior criterion 2 1 kV behavior criterion 2 140 dBuV in the frequency range 0.15 80 MHz, behavior criterion 1 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 B for the domestic, business and commercial environments  3NE1803-0 5SE1335 3NE8003-1 3NC1032
• due to burst according to IEC 61000-4-4     • due to conductor-earth surge according to IEC 61000-4-5     • due to conductor-conductor surge according to IEC 61000-4-5     • due to high-frequency radiation according to IEC 61000-4-6  field-based interference according to IEC 61000-4-3  electrostatic discharge according to IEC 61000-4-2  conducted HF interference emissions according to CISPR11  field-bound HF interference emission according to CISPR11  Short-circuit protection, design of the fuse link  manufacturer's article number      • of gS fuse for semiconductor protection at NH design usable      • of full range R fuse link for semiconductor protection 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      • 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 12 x 58 mm usable  • of back-up R fuse link for semiconductor protection at cylindrical design 22 x 58 mm usable	2 kV behavior criterion 2 1 kV behavior criterion 2 140 dBuV in the frequency range 0.15 80 MHz, behavior criterion 1 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 B for the domestic, business and commercial environments  3NE1803-0 5SE1335 3NE8003-1 3NC1032 3NC1450
• due to burst according to IEC 61000-4-4     • due to conductor-earth surge according to IEC 61000-4-5     • due to conductor-conductor surge according to IEC 61000-4-5     • due to high-frequency radiation according to IEC 61000-4-6  field-based interference according to IEC 61000-4-3 electrostatic discharge according to IEC 61000-4-2 conducted HF interference emissions according to CISPR11  field-bound HF interference emission according to CISPR11 Short-circuit protection, design of the fuse link manufacturer's article number     • of gS fuse for semiconductor protection at NH design usable     • of full range R fuse link for semiconductor protection 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     • 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	2 kV behavior criterion 2 1 kV behavior criterion 2 140 dBuV in the frequency range 0.15 80 MHz, behavior criterion 1 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 B for the domestic, business and commercial environments  3NE1803-0 5SE1335 3NE8003-1 3NC1032 3NC1450 3NC2263
• due to burst according to IEC 61000-4-4     • due to conductor-earth surge according to IEC 61000-4-5     • due to conductor-conductor surge according to IEC 61000-4-5     • due to high-frequency radiation according to IEC 61000-4-6  field-based interference according to IEC 61000-4-3  electrostatic discharge according to IEC 61000-4-2  conducted HF interference emissions according to CISPR11  field-bound HF interference emission according to CISPR11  Short-circuit protection, design of the fuse link  manufacturer's article number      • of gS fuse for semiconductor protection at NH design usable      • of full range R fuse link for semiconductor protection 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      • 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 12 x 58 mm usable  • of back-up R fuse link for semiconductor protection at cylindrical design 22 x 58 mm usable	2 kV behavior criterion 2 1 kV behavior criterion 2 140 dBuV in the frequency range 0.15 80 MHz, behavior criterion 1 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 B for the domestic, business and commercial environments  3NE1803-0 5SE1335 3NE8003-1 3NC1032 3NC1450
• due to burst according to IEC 61000-4-4     • due to conductor-earth surge according to IEC 61000-4-5     • due to conductor-conductor surge according to IEC 61000-4-5     • due to high-frequency radiation according to IEC 61000-4-6  field-based interference according to IEC 61000-4-3 electrostatic discharge according to IEC 61000-4-2 conducted HF interference emissions according to CISPR11  field-bound HF interference emission according to CISPR11 Short-circuit protection, design of the fuse link manufacturer's article number     • of gS fuse for semiconductor protection at NH design usable     • of full range R fuse link for semiconductor protection 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     • 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	2 kV behavior criterion 2 1 kV behavior criterion 2 140 dBuV in the frequency range 0.15 80 MHz, behavior criterion 1 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 B for the domestic, business and commercial environments  3NE1803-0 5SE1335 3NE8003-1 3NC1032 3NC1032 3NC1450 3NC2263
<ul> <li>• due to burst according to IEC 61000-4-4</li> <li>• due to conductor-earth surge according to IEC 61000-4-5</li> <li>• due to conductor-conductor surge according to IEC 61000-4-5</li> <li>• due to high-frequency radiation according to IEC 61000-4-6</li> <li>field-based interference according to IEC 61000-4-3</li> <li>electrostatic discharge according to IEC 61000-4-2</li> <li>conducted HF interference emissions according to CISPR11</li> <li>field-bound HF interference emission according to CISPR11</li> <li>Short-circuit protection, design of the fuse link</li> <li>manufacturer's article number</li> <li>• of gS fuse for semiconductor protection at NH design usable</li> <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 14 x 51 mm usable</li> <li>• of back-up R fuse link for semiconductor protection at cylindrical design 22 x 58 mm usable</li> <li>manufacturer's article number of the gG fuse</li> <li>• at NH design usable</li> </ul>	2 kV behavior criterion 2 1 kV behavior criterion 2 140 dBuV in the frequency range 0.15 80 MHz, behavior criterion 1 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 B for the domestic, business and commercial environments  3NE1803-0 5SE1335 3NE8003-1 3NC1032 3NC1450 3NC2263  3NA6807; These fuses have a smaller rated current than the semiconductor relays 3NW6105-1; These fuses have a smaller rated current than the semiconductor

manufacturer's article number

- of DIAZED fuse usable
- of NEOZED fuse usable

5SB2711; These fuses have a smaller rated current than the semiconductor relays

5SE2320: These fuses have a smaller rated current than the semiconductor relays

## Approvals Certificates

## **General Product Approval**







Confirmation





EMV

**Test Certificates** 

other

Environment



Type Test Certificates/Test Report

Special Test Certificate

Confirmation



Environmental Confirmations

## Further information

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)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RF2330-1AA24

Cax online generator

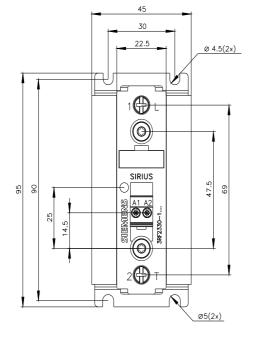
 $\underline{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3RF2330-1AA24}$ 

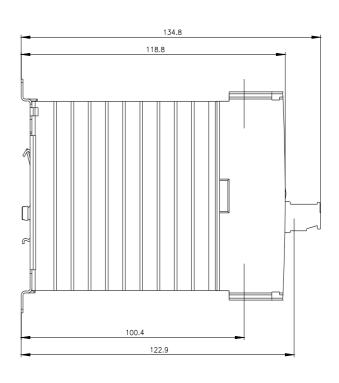
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

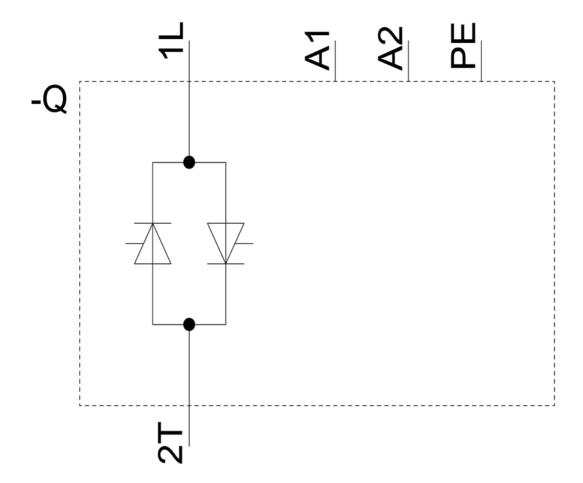
https://support.industry.siemens.com/cs/ww/en/ps/3RF2330-1AA24

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RF2330-1AA24&lang=en







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