## **SIEMENS**

Data sheet 3RF2120-1AA22



Semiconductor relay, 1-phase 3RF2 Width 22.5 mm, 20 A 24-230 V / 110-230 V AC screw terminal

product brand name	SIRIUS
product designation	solid-state relay
design of the product	single-phase
product type designation	3RF21
manufacturer's article number	
<ul><li>_1 of the accessories that can be ordered</li></ul>	3RF2900-3PA88
<ul><li>_2 of the accessories that can be ordered</li></ul>	3RF2920-0HA33
<ul> <li>_4 of the accessories that can be ordered</li> </ul>	3RF2920-0GA33
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	zero-point switching
power loss [V·A] maximum	28.6 V·A
power loss [W] for rated value of the current at AC in hot operating state	28.6 W
• per pole	28.6 W
power loss [W] for rated value of the current without load current share typical	3.5 W
insulation voltage rated value	600 V
type of voltage of the control supply voltage	AC
surge voltage resistance of main circuit rated value	6 kV
shock resistance acc. to IEC 60068-2-27	15g / 11 ms
vibration resistance acc. to IEC 60068-2-6	2g
reference code acc. to IEC 81346-2	Q
Substance Prohibitance (Date)	28.05.2009 00:00:00
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
at 60 Hz rated value	24 230 V
operating frequency rated value	50 60 Hz
relative symmetrical tolerance of the operating frequency	10 %
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>	20 A
acc. to UL 508 rated value	20 A
ampacity maximum	20 A
operational current minimum	100 mA
rate of voltage rise at the thyristor for main contacts	500 V/μs
maximum permissible	200.17
blocking voltage at the thyristor for main contacts maximum permissible	800 V
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	
• 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
<ul> <li>at 60 Hz full-scale value for signal&lt;0&gt; recognition</li> </ul>	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	
fastening method	screw fixing
side-by-side mounting	Yes
tightening torque of fixing screw maximum	1.5 N·m
tightening torque [lbf·in] of fixing screw maximum	13 lbf·in
height	85 mm
width	22.5 mm
depth	48 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	
<ul> <li>solid or stranded</li> </ul>	1.5 6 mm²

• finely stranded with core end processing 1 to auxiliary and cortrol contacts - solid - finely stranded with core end processing - sharp stranded with core end processing - sharp stranded without core end processing - sharp stranded with core end processing - sharp stranded with core end processing - sharp stranded with screw-type terminals - sharp stranded stranded sharp stranded sharp stranded with screw-type terminals - sharp stranded sharp		
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• during storage  Electromagnetic compatibility  conducted interference  • due to burst acc. to IEC 61000-4-4  • due to conductor-earth surge acc. to IEC 61000-4-5  • due to conductor-conductor surge acc. to IEC 61000-4-5  • due to high-frequency radiation acc. to IEC 61000-4-6  • due to high-frequency radiation acc. to IEC 61000-4-6  field-based interference acc. to IEC 61000-4-2  electrostatic discharge acc. to IEC 61000-4-2  conducted HF interference emissions acc. to CISPR11  field-bound HF interference emission acc. 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 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 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 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 semi	•	0.5
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conducted interference  • due to burst acc. to IEC 61000-4-4  • due to conductor-earth surge acc. to IEC 61000-4-5  • due to conductor-conductor surge acc. to IEC 61000-4-5  • due to high-frequency radiation acc. to IEC 61000-4-6  • due to high-frequency radiation acc. to IEC 61000-4-6  • due to high-frequency radiation acc. to IEC 61000-4-3  • due to high-frequency radiation acc. to IEC 61000-4-3  • due to high-frequency radiation acc. to IEC 61000-4-3  • due to high-frequency radiation acc. to IEC 61000-4-3  • due to high-frequency radiation acc. to IEC 61000-4-3  • due to high-frequency radiation acc. to IEC 61000-4-3  • due to high-frequency radiation acc. to IEC 61000-4-3  • due to high-frequency radiation acc. to IEC 61000-4-3  • due to high-frequency radiation acc. to IEC 61000-4-3  • due to high-frequency radiation acc. to IEC 61000-4-3  • due to high-frequency radiation acc. to IEC 61000-4-3  • due to high-frequency radiation acc. to IEC 61000-4-3  • due to high-frequency radiation acc. to IEC 61000-4-3  • due to high-frequency radiation acc. to IEC 61000-4-3  • due to high-frequency radiation acc. to IEC 61000-4-3  • due to conductor freion 2  140 dBuV in the frequency range 0.15 80 MHz., behavior criterion 1  • kV behavior criterion 2  140 dBuV in the frequency range 0.15 80 MHz, behavior criterion 1  • kV behavior criterion 2  140 dBuV in the frequency range 0.15 80 MHz, behavior criterion 1  • kV behavior criterion 2  140 dBuV in the frequency range 0.15 80 MHz, behavior criterion 2  • kV contact discharging / 8 kV air discharging, behavior criterion 1  • kV contact discharging / 8 kV air discharging, behavior criterion 1  • kV contact discharging / 8 kV air discharging, behavior criterion 1  • kV contact discharging / 8 kV air discharging, behavior criterion 1  • kV contact discharging / 8 kV air disc	during storage	-55 +80 °C
<ul> <li>due to burst acc. to IEC 61000-4-4</li> <li>due to conductor-earth surge acc. to IEC 61000-4-5</li> <li>due to conductor-conductor surge acc. to IEC 61000-4-5</li> <li>due to high-frequency radiation acc. to IEC 61000-4-6</li> <li>due to high-frequency radiation acc. to IEC 61000-4-3</li> <li>field-based interference acc. to IEC 61000-4-3</li> <li>electrostatic discharge acc. to IEC 61000-4-2</li> <li>due to high-frequency radiation acc. to IEC 61000-4-3</li> <li>electrostatic discharge acc. to IEC 61000-4-2</li> <li>delectrostatic discharge acc. to IEC 61000-4-1</li> <li>delectrostatic discharge acc. to IEC 61000-4-2</li> <li>deventated HF interference emissions acc. to CISPR11</li> <li>field-bound HF interference emission acc. to CISPR11</li> <li>Class A for industrial environment</li> <li>Class B for the domestic, business and commercial environments</li> </ul> Short-circuit protection, design of the fuse link <ul> <li>manufacturer's article number</li> <li>of pack-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 12 x 58 mm usable</li> <li>of back-up R fuse link for semiconductor protection at cylindrical design 22 x 58 mm usable</li> <li>annufacturer's article number of the gG fuse</li> <li>at NH design usable</li> </ul> 3NA6803: These fuses have a smaller rated current than the semiconductor relays	Electromagnetic compatibility	
• due to conductor-earth surge acc. to IEC 61000-4-5     • due to conductor-conductor surge acc. to IEC 61000-4-5     • due to high-frequency radiation acc. to IEC 61000-4-6     • due to high-frequency radiation acc. to IEC 61000-4-6     • due to high-frequency radiation acc. to IEC 61000-4-3     • due to High due to IEC 61000-4-2     • due to IEC 61000-4-3     • due	conducted interference	
<ul> <li>due to conductor-conductor surge acc. to IEC 61000-4-5</li> <li>due to high-frequency radiation acc. to IEC 61000-4-6</li> <li>field-based interference acc. to IEC 61000-4-3</li> <li>electrostatic discharge acc. to IEC 61000-4-2</li> <li>conducted HF interference emissions acc. to CISPR11</li> <li>field-bound HF interference emission acc. 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 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 12 x 58 mm usable</li> <li>of back-up R fuse link for semiconductor protection at cylindrical design 22 x 58 mm usable</li> <li>at NH design usable</li> <li>of back-up R fuse link for semiconductor protection at cylindrical design 22 x 58 mm usable</li> <li>at NH design usable</li> <li>of back-up R fuse link for semiconductor protection at cylindrical design 22 x 58 mm usable</li> <li>at NH design usable</li> </ul>	<ul><li>due to burst acc. to IEC 61000-4-4</li></ul>	2 kV / 5 kHz behavior criterion 2
<ul> <li>due to conductor-conductor surge acc. to IEC 61000-4-5</li> <li>due to high-frequency radiation acc. to IEC 61000-4-6</li> <li>field-based interference acc. to IEC 61000-4-3</li> <li>electrostatic discharge acc. to IEC 61000-4-2</li> <li>conducted HF interference emissions acc. to CISPR11</li> <li>field-bound HF interference emission acc. 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 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 12 x 58 mm usable</li> <li>of back-up R fuse link for semiconductor protection at cylindrical design 22 x 58 mm usable</li> <li>at NH design usable</li> <li>of back-up R fuse link for semiconductor protection at cylindrical design 22 x 58 mm usable</li> <li>at NH design usable</li> <li>of back-up R fuse link for semiconductor protection at cylindrical design 22 x 58 mm usable</li> <li>at NH design usable</li> </ul>	<ul> <li>due to conductor-earth surge acc. to IEC 61000-4-5</li> </ul>	2 kV behavior criterion 2
• due to high-frequency radiation acc. to IEC 61000- 4-6  field-based interference acc. to IEC 61000-4-3 electrostatic discharge acc. to IEC 61000-4-2 conducted HF interference emissions acc. to CISPR11 field-bound HF interference emission acc. to CISPR11 field-bound HF interference emission acc. to CISPR11  Short-circuit protection, design of the fuse link manufacturer's article number     • of gs fuse for semiconductor protection at vylindrical design usable     • of back-up R fuse link for semiconductor protection at vylindrical 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     • of back-up R fuse link for semiconductor protection at cylindrical design 22 x 58 mm usable     • at NH design usable	_	1 kV behavior criterion 2
field-based interference acc. to IEC 61000-4-3 electrostatic discharge acc. to IEC 61000-4-2 conducted HF interference emission acc. to CISPR11 field-bound HF interference emission acc. to CISPR11 Short-circuit protection, design of the fuse link manufacturer's article number  of gS fuse for semiconductor protection at vylindrical design usable  of back-up R fuse link for semiconductor protection at vylindrical 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 12 x 58 mm usable  of back-up R fuse link for semiconductor protection at cylindrical design 22 x 58 mm usable  of back-up R fuse link for semiconductor protection at cylindrical design 22 x 58 mm usable  of back-up R fuse link for semiconductor protection at cylindrical design 22 x 58 mm usable  of back-up R fuse link for semiconductor protection at cylindrical design 22 x 58 mm usable  of back-up R fuse link for semiconductor protection at cylindrical design 22 x 58 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  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 cylindrical design 15 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 se		
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electrostatic discharge acc. to IEC 61000-4-2 conducted HF interference emissions acc. to CISPR11 field-bound HF interference emission acc. 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 12 x 58 mm usable  • of back-up R fuse link for semiconductor protection at cylindrical design 22 x 58 mm usable  • of back-up R fuse link for semiconductor protection at cylindrical design 22 x 58 mm usable  • of back-up R fuse link for semiconductor protection at cylindrical design 22 x 58 mm usable  • of back-up R fuse link for semiconductor protection at cylindrical design 22 x 58 mm usable  • of back-up R fuse link for semiconductor protection at cylindrical design 22 x 58 mm usable  • of back-up R fuse link for semiconductor protection at cylindrical design 22 x 58 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 21 x 58 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 15 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 protec		
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Field-bound HF interference emission acc. to CISPR11  Class B for the domestic, business and commercial environments  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 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 12 x 58 mm usable  of back-up R fuse link for semiconductor protection at cylindrical design 22 x 58 mm usable  of back-up R fuse link for semiconductor protection at cylindrical design 22 x 58 mm usable  of back-up R fuse link for semiconductor protection at cylindrical design 22 x 58 mm usable  and SNC1430  3NC2225  3NA6803; These fuses have a smaller rated current than the semiconductor relays	electrostatic discharge acc. to IEC 61000-4-2	4 kV contact discharging / 8 kV air discharging, behavior criterion 2
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 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 12 x 58 mm usable  and She1814-0  3NE1814-0  3NE8015-1  3NC1032  3NC1032  3NC1032  3NC1430  3NC1430  3NC2225  3NC2225  3NC2225  3NC2225	conducted HF interference emissions acc. to CISPR11	Class A for industrial environment
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 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 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  of NH design usable  3NE1814-0  3NE8015-1  3NC1032  3NC1032  3NC1430  3NC2225  3NC2225	field-bound HF interference emission acc. to CISPR11	Class B for the domestic, business and commercial environments
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 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 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  of NH design usable  3NE1814-0  3NE8015-1  3NC1032  3NC1032  3NC1430  3NC2225  3NC2225	Short-circuit protection, design of the fuse link	
<ul> <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 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 22 x 58 mm usable</li> <li>at NH design usable</li> <li>at NH design usable</li> <li>at NH design usable</li> <li>at NH design usable</li> </ul>		
<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 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 22 x 58 mm usable</li> <li>manufacturer's article number of the gG fuse</li> <li>at NH design usable</li> </ul>	of gS fuse for semiconductor protection at NH	3NE1814-0
<ul> <li>of back-up R fuse link 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 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> <li>3NC1032</li> <li>3NC1430</li> <li>3NC2225</li> <li>3NC2225</li> <li>3NC2225</li> <li>3NC6803: These fuses have a smaller rated current than the semiconductor relays</li> </ul>	of full range R fuse link for semiconductor protection	<u>5SE1325</u>
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     at NH design usable  3NC1032  3NC1032  3NC2225  3NC2225	of back-up R fuse link for semiconductor protection	3NE8015-1
<ul> <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> <li>3NC2225</li> <li>3NC6803: These fuses have a smaller rated current than the semiconductor relays</li> </ul>	of back-up R fuse link for semiconductor protection	3NC1032
<ul> <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> <li>3NC2225</li> <li>3NA6803: These fuses have a smaller rated current than the semiconductor relays</li> </ul>	<ul> <li>of back-up R fuse link for semiconductor protection</li> </ul>	3NC1430
manufacturer's article number of the gG fuse  • at NH design usable  3NA6803; These fuses have a smaller rated current than the semiconductor relays	of back-up R fuse link for semiconductor protection	3NC2225
• at NH design usable  3NA6803; These fuses have a smaller rated current than the semiconductor relays		
<u>semiconductor relays</u>		3NA6803: These fuses have a smaller rated current than the
· · · · · · · · · · · · · · · · · · ·	at ivi i designi dsable	
	<ul> <li>at cylindrical design 10 x 38 mm usable</li> </ul>	

• at cylindrical design 14 x 51 mm usable

semiconductor relays

3NW6101-1; These fuses have a smaller rated current than the semiconductor relays

manufacturer's article number

of DIAZED fuse usable

5SB141; These fuses have a smaller rated current than the semiconductor relays

• of NEOZED fuse usable

5SE2306; These fuses have a smaller rated current than the semiconductor relays

Certificates/ approvals

**General Product Approval EMC Declaration of Conformity** 











**Miscellaneous** 

**Test Certificates** other Railway

**Special Test Certific-**Type Test Certific-<u>ate</u>

ates/Test Report

Confirmation

Vibration and Shock

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=3RF2120-1AA22

Cax online generator

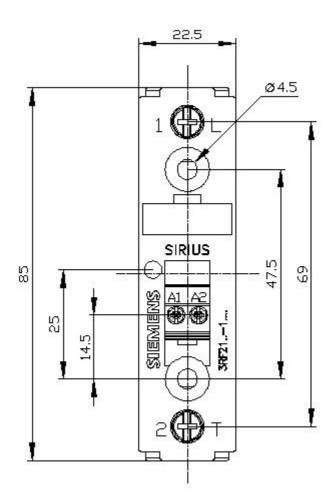
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RF2120-1AA22

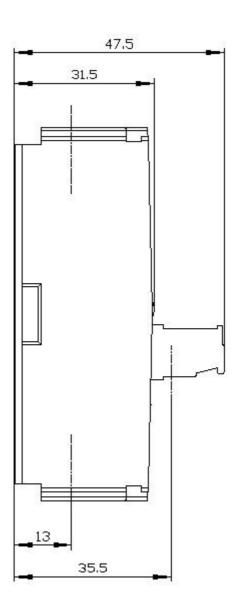
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

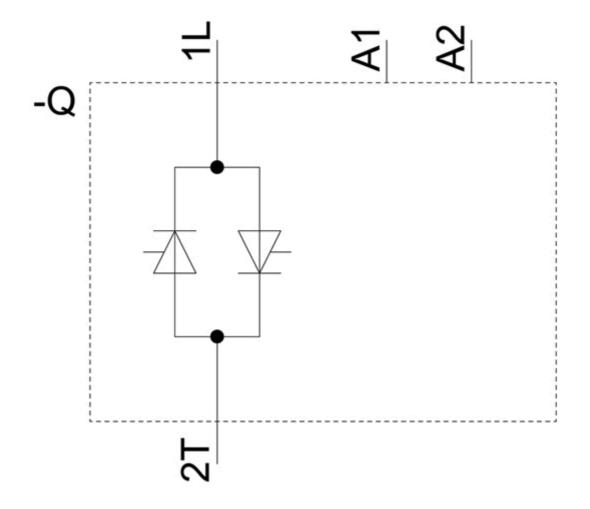
https://support.industry.siemens.com/cs/ww/en/ps/3RF2120-1AA22

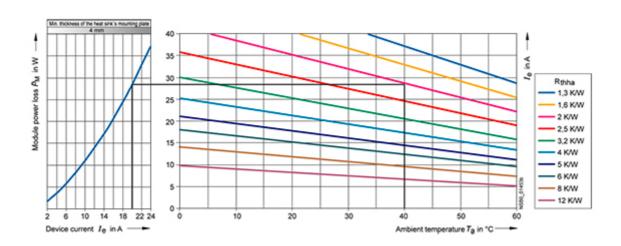
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RF2120-1AA22&lang=en









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