## **SIEMENS**

Data sheet 3RF2340-1BA24



Solid-state contactor 1-phase 3RF2 AC 15 / 20 A / 40  $^{\circ}\text{C}$  48-460 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>	3RF2900-3PA88
<ul><li>_2 of the accessories that can be ordered</li></ul>	3RF2950-0HA36
<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>_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	
<ul> <li>at AC in hot operating state</li> </ul>	44 W
<ul> <li>at AC in hot operating state per pole</li> </ul>	44 W
<ul> <li>without load current share typical</li> </ul>	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
<ul> <li>of the control supply voltage</li> </ul>	AC
surge voltage resistance of main circuit rated value	6 kV
protection class IP	IP20
protection class IP on the front according to IEC 60529	IP20
shock resistance according to IEC 60068-2-27	15g / 11 ms
vibration resistance according to IEC 60068-2-6	2g
reference code according to IEC 81346-2	Q
Substance Prohibitance (Date)	05/28/2009
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
Weight	0.455 kg
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 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	40 A
<ul><li>at AC-51 according to IEC 60947-4-3</li></ul>	33 A
according to UL 508 rated value	20 A
operational current minimum	500 mA
rate of voltage rise at the thyristor for main contacts maximum permissible	1 000 V/µs
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	1 200 A
I2t value maximum	7 200 A²-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	
at 50 Hz full-scale value for signal<0> recognition	40 V
at 60 Hz full-scale value for signal<0> recognition	40 V
control supply voltage	
at AC initial value for signal <1> detection	90 V
·	5 Hz
symmetrical line frequency tolerance	JTIZ
control current at minimum control supply voltage  • at AC	2 m/s
	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	
type of switching contact	normally open contact (NO)
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 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
height	100 mm
width	67.5 mm
depth	144.5 mm
Connections/ Terminals	
product component removable terminal for auxiliary and control circuit	Yes
type of electrical connection	
<ul> <li>for main current circuit</li> </ul>	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
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connectable conductor cross-section for main contacts  • cold or stranded  • finely stranded with core and processing  — finely stranded with core and processing  — finely stranded without core and processing  — finely stranded with stranded processing  — for auxiliary and corted contacts with screw-type  terminals  — for auxiliary and corted contacts with screw-type  terminals  — for auxiliary and control contacts  — for auxilia	for AWG cables for main contacts	2x (14 10)
• finely stranded with core and processing  type of commerciable conductor cross-sections  • for auxiliary and control contracts  — such as a suc		·v)
In linely stranded with core end processing   119 mm²		1.5 6 mm²
Type of connectable conductor cross-sections		
of a availary and control contacts         — solid         — finely stranded with core end processing         — finely stranded without core and processing         — for availary and control contacts with screw-type terminals         — for availary and control contacts with screw-type terminals         — for availary and control contacts with screw-type terminals         — for availary and control contacts         — for main contacts         — for availary and control contacts         — for main contacts         — for main contacts         — for availary and control contacts         — for availary and control contacts         — for main contacts         — for m		
finely stranded without core and processing finely stranded without core and processing for AVMC cables for auxiliary and control contacts for an accordance of the control contacts for auxiliary and control contacts for auxiliary and control contacts for auxiliary and control contacts with screw-type terminals for auxiliary and control contacts for the auxiliary and control contacts for the subiliary and control contacts for the subiliary and control contacts for auxiliary and control contacts for auxili	•	1x (0.5 2.5 mm²). 2x (0.5 1.0 mm²)
- Finely stranded without cone and pronessing for AVIGO cales for suitilizing and control contacts  AVIGO number as coded connectable conductor criss section for flightening torque  • for main contacts with screw-type terminals • for auxilizing and control contacts with screw-type terminals  Interminals		
• for AWG cables for auxiliary and control contacts AWG number are oded connectable conductor cross section for main contacts tightening torque • for main contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • of the auxiliary and control contacts • for the auxiliary and control contacts • for main contacts • for main contacts • for main contacts • for main contacts • for auxiliary and control contacts • for main contacts • for auxiliary and control contacts • for ouriliary 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  • 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	•	
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tightening torque  • for main contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals  tightening torque (bFin)  • for main contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals  design of the thread of the connection screw • for main contacts • of the auxiliary and control contacts  • of main contacts • o	AWG number as coded connectable conductor cross section for	· ·
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for auxiliary and control contacts with screw-type terminals     ifghtening torque [tbf:in]     if or main contacts with screw-type terminals     if or main contacts with screw-type terminals     if or main contacts with screw-type terminals     if or main contacts     if or auxiliary and control contacts     if or main contacts     if or auxiliary and control contacts     if or main contacts     if or auxiliary and control contacts     if or main co		2 25 N·m
tightening torque [tibrin]  • for main contacts with screw-type terminals  • for main contacts with screw-type terminals  • for auxiliary and control contacts with screw-type  • for main contacts  • for the auxiliary and control contacts  • for main contacts  • for main contacts  • for main contacts  • for main contacts  • for auxiliary and control contacts  • due to conductor contacts  • due to conductor contacts  • due to conductor conductor contacts  • due to conductor and control contacts  • for feature and control c		
• for main contacts with screw-type terminals     • for auxiliary and control contacts with screw-type     terminals  design of the thread of the connection screw     • for the auxiliary and control contacts     • of the auxiliary and control contacts     • of the auxiliary and control contacts     • for auxiliary and control to tech 60529     • finger-safe, for vertical contact from the front     • finger-safe, for vertical contact from the front     • finger-safe, for vertical contact from the front     • during operation     • durin		0.5 0.0 IV III
For auxiliary and control contacts with screw-type terminals   design of the thread of the connection screw	tightening torque [lbf·in]	
terminals  design of the thread of the connection screw	<ul> <li>for main contacts with screw-type terminals</li> </ul>	18 22 lbf·in
• for main contacts • of the auxiliary and control contacts  * for auxiliary and control contacts  • for auxiliary and contact from the front  • for auxili		4.5 5.3 lbf·in
of the auxiliary and control contacts     stripped length of the cable	design of the thread of the connection screw	
stripped length of the cable  • for main contacts  • for main contacts  • for mail contacts  • for mail contacts  • for main contacts    Frame	• for main contacts	M4
• for main contacts • for auxiliary and control contacts  7 mm  8 manifactor contact from the front  2 manifactor on the front according to IEC 60529  4 kl phanifactor on the front according to IEC 61000-4-5  4 clue to conductor protection at CISPR11  Short-circuit protection, design of the fuse link  manufacturer's article number  • of gS fuse for semiconductor protection at Cylindrical design usable  • of back-up R fuse link for semiconductor protection at Cylindrical design usable  • of back-up R fuse link for semiconductor protection at Cylindrical design usable  • at tylindrical design 14 x 51 mm usable  • at tylindrical design usable  • at cylindrical design usable  • at tylindrical desi	of the auxiliary and control contacts	M3
For auxiliary and control contacts   7 mm	·	
Page	• for main contacts	7 mm
touch protection on the front according to IEC 60529  touch protection on the front according to IEC 60529  installation altitude at height above sea level maximum  1 000 m  ambient temperature  - during operation  - 25 +60 °C  - 55 +80 °C  2 kV / 5 kHz behavior criterion 2  2 kV behavior criterion 2  1 kV behavior criterion 1  2 kV contact discharging / 8 kV air discharging, behavior criterion 1  4 kV contact discharging / 8 kV air discharging, behavior criterion 1  2 conducted HF interference emission according to CISPR11  Short-circuit protection, design of the fuse link  manufacturer's article number  • of 95 fluse for semiconductor protection at cylindrical design 4 kV sin mi usable  • of back-up R fuse link for semiconductor protection at cylindrical design 14 x for mi subable  • of back-up R fuse link for semiconductor protection at cylindrical design 14 x 51 mm usable  • at NH design usable  • at NH design usable  • at cylindrical design 14 x 51 mm usable	<ul> <li>for auxiliary and control contacts</li> </ul>	7 mm
touch protection on the front according to IEC 60529  Ambient conditions installation altitude at height above sea level maximum  ambient temperature  • during operation  • during storage  • due to during storage  • due to burst according to IEC 61000-4-5  • due to conductor-conductor surge according to IEC 61000-4-5  • due to conductor-conductor surge according to IEC 61000-4-5  • due to 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  • delectrostatic discharge according to IEC 61000-4-1  Class A for industrial environment  Class B for the domestic, business and commercial environments  Short-circuit protection, design of the fuse link  manufacturer's article number  • of pack-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 12 x 58 mm usable  • of back-up R fuse link for semiconductor protection at cylindrical design 12 x 58 mm usable  • at NH design usable  • at NH design usable  • at NH design usable  • at cylindrical design 14 x 51 mm usable  • at cylindrical design 14 x 51 mm usable  • at cylindrical design 14 x 51 mm usable  • at cylindrical design 14 x 51 mm usable	Electrical Safety	
installation altitude at height above sea level maximum  ambient temperature  during operation during storage  eduring operation during storage  electromagnetic compatibility  conducted interference due to burst according to IEC 61000-4-5 due to conductor-conductor surge according to IEC 61000-4-5 due to conductor-conductor surge according to IEC 61000-4-5 due to bigh-frequency radiation according to IEC 61000-4-5 due to high-frequency radiation according to IEC 61000-4-5 due to high-frequency radiation according to IEC 61000-4-3 delectrostatic discharge according to IEC 61000-4-2 delectrostatic discharge according to IEC 61000-4-2 delectrostatic discharge according to IEC 61000-4-2 conducted HF interference emissions according to CISPR11 field-bound HF interference emission according to CISPR11 field-bound HF interference emission 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 cylindrical design usable of back-up R fuse link for semiconductor protection at cylindrical design usable of back-up R fuse link for semiconductor protection at cylindrical design usable of back-up R fuse link for semiconductor protection at cylindrical design usable of back-up R fuse link for semiconductor protection at cylindrical design usable of back-up R fuse link for semiconductor protection at cylindrical design usable of back-up R fuse link for semiconductor protection at cylindrical design usable of back-up R fuse link for semiconductor protection at cylindrical design usable of back-up R fuse link for semiconductor protection at cylindrical design usable of back-up R fuse link for semiconductor protection at cylindrical design usable of back-up R fuse link for semiconductor protection at cylindrical design usable of back-up R fuse link for semiconductor protection at cylindrical design usable of back-up R fuse link for semiconductor protection at cylindrical design usable of	protection class IP on the front according to IEC 60529	IP20
installation altitude at height above sea level maximum  ambient temperature  during operation during storage  Electromagnetic compatibility  conducted interference due to burst according to IEC 61000-4-4 due to conductor-centh 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 61000-4-5 due to high-frequency radiation according to IEC 61000-4-6 filed-based interference according to IEC 61000-4-2 delectrostatic discharge according to IEC 61000-4-2 conducted HF interference emissions according to IEC 61000-4-2 conducted HF interference emission according to IEC 61000-4-2 conducted HF interference emissions according to IEC 61000-4-2 class B for the domestic, business and commercial environments  SNDE1802-0  SNE1802-0  SNE1802-0  SNE280  SNE1802-0  SNE280  SNE280  SNE3812: These fuses have a smaller rated current than the semiconductor relays at cylindrical design 14 x 51 mm usable at tylindrical design 14 x 51 mm usable at tylindrical design 14 x 51 mm usable at tylindrical design 14 x 51 mm usab	touch protection on the front according to IEC 60529	finger-safe, for vertical contact from the front
ambient temperature  • during operation  • during storage  Electromagnetic compatibility  conducted interference  • 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 61000-4-5  • 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 61000-4-3  electrostatic discharge according to IEC 61000-4-2  conducted HF Interference emissions according to CISPR11  field-bound HF Interference emissions according to CISPR11  field-bound HF Interference emission according to CISPR11  field-bound HF interference emission 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 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  • at NH design usable  • at NH design usable  • at Vidindrical design 14 x 51 mm usable  • at Vidindrical design 14 x 51 mm usable  • at Vidindrical design 14 x 51 mm usable  • at Vidindrical design 14 x 51 mm usable  • at Vidindrical design 14 x 51 mm usable	Ambient conditions	
<ul> <li>during operation</li> <li>during storage</li> <li>55 +80 °C</li> </ul> Electromagnetic compatibility Conducted interference <ul> <li>due to burst according to IEC 61000-4-4</li> <li>due to conductor-certh 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 61000-4-5</li> <li>due to high-frequency radiation according to IEC 61000-4-3</li> <li>field-based interference according to IEC 61000-4-3</li> <li>electrostatic discharge according to IEC 61000-4-2</li> <li>due to high-frequency radiation according to IEC 61000-4-3</li> <li>electrostatic discharge according to IEC 61000-4-2</li> <li>due to high-frequency radiation according to IEC 61000-4-3</li> <li>electrostatic discharge according to IEC 61000-4-2</li> <li>due to high-frequency radiation according to IEC 61000-4-3</li> <li>electrostatic discharge according to IEC 61000-4-2</li> <li>due to discharge 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> </ul> Class A for industrial environment Class B for the domestic, business and commercial environments Short-circuit protection, design of the fuse link <ul> <li>manufacturer's article number</li> <li>of gS fuse 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 14 x 51 mm usable</li> <li>at NH design usable</li> </ul> at NH design usable <ul> <li>at NH design usable</li> <li>at NH design usable</li> </ul> at NH design usable <ul> <li>at NH design usable</li> <li>at NH design usable</li> </ul> <ul> <li>at NH design usable</li> <li>at NH design usable</li> </ul> at NH design usable <ul> <li>at NH design usable</li> <td>installation altitude at height above sea level maximum</td><td>1 000 m</td></ul>	installation altitude at height above sea level maximum	1 000 m
<ul> <li>during storage</li> <li>-55 +80 °C</li> <li>Electromagnetic compatibility</li> <li>conducted interference</li> <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 61000-4-3</li> <li>field-based interference according to IEC 61000-4-2</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>field-bound</li></ul>		
Electromagnetic compatibility  conducted interference  • due to burst according to IEC 61000-4-4  • due to conductor-carth 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 61000-4-7  • due to high-frequency radiation according to IEC 61000-4-8  • due to high-frequency radiation according to IEC 61000-4-8  • due to high-frequency radiation according to IEC 61000-4-3  • due to high-frequency radi	ambient temperature	
conducted interference  • 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  • due to high-frequency radiation according to IEC 61000-4-3  • delectrostatic discharge according to IEC 61000-4-3  • electrostatic discharge according to IEC 61000-4-2  conducted HF interference emissions according to CISPR11  Short-circuit protection, design of the fuse link  manufacturer's article number  • of gS fuse for semiconductor protection at cylindrical 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 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 12 x 55 mm usable  • of back-up R fuse link for semiconductor protection at cylindrical design 12 x 55 mm usable  • of back-up R fuse link for semiconductor protection at cylindrical design 12 x 55 mm usable  • of back-up R fuse link for semiconductor protection at cylindrical design 12 x 55 mm usable  • at NH design usable  • at Vylindrical design 14 x 51 mm usable  • at cylindrical design 14 x 51 mm usable  • at cylindrical design 14 x 51 mm usable  • at cylindrical design 14 x 51 mm usable  • at cylindrical design 14 x 51 mm usable  • at cylindrical design 14 x 51 mm usable  • at cylindrical design 14 x 51 mm usable	-	-25 +60 °C
• 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     • due to high-frequency radiation according to IEC 61000-4-3     • due to high-frequency radiation according to IEC 61000-4-3     • due to high-frequency radiation according to IEC 61000-4-3     • due to high-frequency radiation according to IEC 61000-4-3     • due to high-frequency radiation according to IEC 61000-4-3     • due to high-frequency radiation according to IEC 61000-4-3     • due to high-frequency radiation according to IEC 61000-4-3     • due to high-frequency radiation according to IEC 61000-4-3     • due to high-frequency radiation according to IEC 61000-4-3     • due to high-frequency radiation according to IEC 61000-4-3     • due to high-frequency radiation according to IEC 61000-4-3     • due to high-frequency radiation according to IEC 61000-4-3     • due to high-frequency radiation according to IEC 61000-4-3     • due to high-frequency radiation according to IEC 61000-4-3     • due to high-frequency radiation according to IEC 61000-4-3     • due to high-frequency radiation according to IEC 61000-4-3     • due to high-frequency radiation according to IEC 61000-4-3     • due to high-frequency radiation according to IEC 61000-4-3     • due to high-frequency radiation according to IEC 61000-4-3     • due to High-frequency radiation according to IEC 61000-4-3     • due to High-frequency radiation according to IEC 61000-4-3     • due to High-frequency radiation according to IEC 61000-4-3     • due to High-frequency radiation according to IEC 61000-4-3     • due to High-frequency radiation according to IEC 61000-4-2     • due to High-frequency radiation according to IEC 61000-4-2     • due to High-frequency radiation according to IEC 61000-4-2     • due to High-frequency radiation according to	<ul><li>during operation</li><li>during storage</li></ul>	
<ul> <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>fleld-based interference according to IEC 61000-4-2</li> <li>electrostatic discharge according to IEC 61000-4-2</li> <li>conducted HF interference emissions according to CISPR11</li> <li>fleld-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 back-up R fuse link for semiconductor protection at cylindrical design 14 x 51 mm usable</li> <li>at cylindrical design usable</li> <li>at cylindrical design usable</li> <li>at cylindrical design usable</li> <li>at NV behavior criterion 2</li> <li>140 dBuV in the frequency range 0.15 80 MHz, behavior criterion 1</li> <li>4 kV contact discharging / 8 kV air discharging, behavior criterion 2</li> <li>Class A for industrial environment</li> <li>Class B for the domestic, business and commercial environments</li> <li>Short-circuit protection, design of the fuse link</li> <li>ank 1802-0</li> <li>ank 1802-0</li></ul>	<ul><li>during operation</li><li>during storage</li></ul>	
• 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  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 cylindrical 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 12 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      • at VH design usable      • at Cylindrical design 14 x 51 mm usable      • at VH design usable      • at VH design usable      • at VH design usable      • at Cylindrical design 14 x 51 mm usable      • at Cylindrical design 14 x 51 mm usable      • at VH design usable      • at Cylindrical design 14 x 51 mm usable      • at Cylindrical design 14 x 51 mm usable      • at Cylindrical design 14 x 51 mm usable      • at Cylindrical design 14 x 51 mm usable      • at Cylindrical design 14 x 51 mm usable      • at Cylindrical design 14 x 51 mm usable      • at Cylindrical design 14 x 51 mm usable      • at Cylindrical design 14 x 51 mm usable      • at Cylindrical design 14 x 51 mm usable      • at Cylindrical design 14 x 51 mm usable      • at Cylindrical design 14 x 51 mm usable      • at Cylindrical design 14 x 51 mm usable      • at Cylindrical design 15 the fuse fuse fuse fuse fuse fuse fuse fus	during operation     during storage  Electromagnetic compatibility  conducted interference	
* due to high-frequency radiation according to IEC 61000-4-3     * due to high-frequency radiation according to IEC 61000-4-3     * field-based interference according to IEC 61000-4-3     * electrostatic discharge according to IEC 61000-4-2     * due to high-frequency radiation according to IEC 61000-4-3     * electrostatic discharge according to IEC 61000-4-2     * due to high-frequency radiation according to IEC 61000-4-3     * electrostatic discharge according to IEC 61000-4-2     * due to high-frequency radiation according to IEC 61000-4-3     * electrostatic discharging / 8 kV air discharging, behavior criterion 2     * Class A for industrial environment     * 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 back-up R fuse link for semiconductor protection 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 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  • at NH design usable  • at VH design usable  • at Cylindrical design 14 x 51 mm usable  • at Cylindrical design 14 x 51 mm usable  * at Cylindrical design 14 x 51 mm usable  * at Cylindrical design 14 x 51 mm usable  * at Cylindrical design 14 x 51 mm usable  * at Cylindrical design 14 x 51 mm usable  * at Cylindrical design 14 x 51 mm usable  * at Cylindrical design 14 x 51 mm usable  * at Cylindrical design 14 x 51 mm usable	during operation     during storage  Electromagnetic compatibility  conducted interference	-55 +80 °C
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 back-up R fuse link for semiconductor protection at cylindrical design usable  of back-up R fuse link for semiconductor protection at cylindrical design 14 x 51 mm usable  and back-up R fuse link for semiconductor protection at cylindrical design 22 x 58 mm usable  and back-up R fuse link for semiconductor protection at cylindrical design 14 x 51 mm usable  and back-up R fuse link for semiconductor protection at cylindrical design 14 x 51 mm usable  and back-up R fuse link for semiconductor protection at cylindrical design 14 x 51 mm usable  and back-up R fuse link for semiconductor protection at cylindrical design 14 x 51 mm usable  and back-up R fuse link for semiconductor protection at cylindrical design 14 x 51 mm usable  and back-up R fuse link for semiconductor protection at cylindrical design 14 x 51 mm usable  and back-up R fuse link for semiconductor protection at cylindrical design 14 x 51 mm usable  and back-up R fuse link for semiconductor protection at cylindrical design 14 x 51 mm usable  and back-up R fuse link for semiconductor protection at cylindrical design 14 x 51 mm usable  and back-up R fuse link for semiconductor protection at cylindrical design 14 x 51 mm usable  and back-up R fuse link for semiconductor protection at cylindrical design 14 x 51 mm usable  and back-up R fuse link for semiconductor protection at cylindrical design 14 x 51 mm usable  and back-up R fuse link for semiconductor protection at cylindrical design 14 x 51 mm usable  and back-up R fuse link for semiconductor protection at cylindrical design 14 x 51 mm usable  and back-up R fuse link for semiconductor protection at cylindrical design 14 x 51 mm usable  and b	during operation     during storage  Electromagnetic compatibility  conducted interference     due to burst according to IEC 61000-4-4	-55 +80 °C  2 kV / 5 kHz behavior criterion 2
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 vilindrical 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 22 x 58 mm usable  at vilindrical design usable  at vilindrical design usable  at cylindrical design usable  at vilindrical design 14 x 51 mm usable  at vilindrical design usable  at vilindrical design usable  at vilindrical design usable  at vilindrical design 14 x 51 mm usable  at vilindrical design usable  at vilindrical de	during operation     during storage  Electromagnetic compatibility  conducted interference     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	-55 +80 °C  2 kV / 5 kHz behavior criterion 2 2 kV behavior criterion 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 14 x 51 mm usable  • of back-up R fuse link for semiconductor protection at cylindrical design usable  • at NH design usable  • at cylindrical design 14 x 51 mm usable  • at cylindrical design 14 x 51 mm usable  • at cylindrical design 14 x 51 mm usable  • at cylindrical design 14 x 51 mm usable  • at cylindrical design 14 x 51 mm usable  • at cylindrical design 14 x 51 mm usable  • at cylindrical design 14 x 51 mm usable  • at cylindrical design 14 x 51 mm usable  • at cylindrical design 14 x 51 mm usable  • at cylindrical design 14 x 51 mm usable  • at cylindrical design 14 x 51 mm usable  • at cylindrical design 14 x 51 mm usable	during operation     during storage  Electromagnetic compatibility  conducted interference     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-	-55 +80 °C  2 kV / 5 kHz behavior criterion 2 2 kV behavior criterion 2 1 kV behavior criterion 2
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 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 22 x 58 mm usable  manufacturer's article number of the gG fuse  at NH design usable  at cylindrical design 14 x 51 mm usable  at cylindrical design 25 x 58 mm usable  at NH design usable  at cylindrical design 14 x 51 mm usable  at cylindrical design 14 x 51 mm usable  3NA6812; These fuses have a smaller rated current than the semiconductor relays  3NM6112-1; These fuses have a smaller rated current than the semiconductor	during operation     during storage  Electromagnetic compatibility  conducted interference     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	-55 +80 °C  2 kV / 5 kHz behavior criterion 2 2 kV behavior criterion 2 1 kV behavior criterion 2 140 dBuV in the frequency range 0.15 80 MHz, behavior criterion 1
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 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 22 x 58 mm usable  manufacturer's article number of the gG fuse  at NH design usable  at cylindrical design 14 x 51 mm usable  at cylindrical design 14 x 51 mm usable  at cylindrical design 14 x 51 mm usable  at cylindrical design 22 x 58 mm usable  at cylindrical design 14 x 51 mm usable  3NA6812; These fuses have a smaller rated current than the semiconductor relays  3NM6112-1; These fuses have a smaller rated current than the semiconductor	during operation     during storage  Electromagnetic compatibility  conducted interference     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	2 kV / 5 kHz behavior criterion 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
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 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  • at cylindrical design 14 x 51 mm usable  • at cylindrical design 14 x 51 mm usable  • at cylindrical design 14 x 51 mm usable  • at cylindrical design 14 x 51 mm usable  • at cylindrical design 14 x 51 mm usable  • at cylindrical design 14 x 51 mm usable  • at cylindrical design 14 x 51 mm usable  • at cylindrical design 14 x 51 mm usable  • at cylindrical design 14 x 51 mm usable	during operation     during storage  Electromagnetic compatibility  conducted interference     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 / 5 kHz behavior criterion 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
<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 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 cylindrical design 14 x 51 mm usable</li> <li>at cylindrical design 14 x 51 mm usable</li> <li>3NC2280</li> <li>3NA6812: These fuses have a smaller rated current than the semiconductor relays</li> <li>at cylindrical design 14 x 51 mm usable</li> <li>3NM6812: These fuses have a smaller rated current than the semiconductor relays</li> <li>3NW6112-1: These fuses have a smaller rated current than the semiconductor</li> </ul>	during operation     during storage  Electromagnetic compatibility  conducted interference     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 / 5 kHz behavior criterion 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 Class A for industrial environment
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 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  • at cylindrical design 14 x 51 mm usable  at cylindrical design 14 x 51 mm usable  3NC2280  3NA6812: These fuses have a smaller rated current than the semiconductor relays  • at cylindrical design 14 x 51 mm usable  3NA6812: These fuses have a smaller rated current than the semiconductor relays  3NW6112-1: These fuses have a smaller rated current than the semiconductor	during operation     during storage  Electromagnetic compatibility  conducted interference     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 / 5 kHz behavior criterion 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 Class A for industrial environment
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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 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     at cylindrical design 14 x 51 mm usable      3NC1450  3NC2280  3NC2280  3NA6812: These fuses have a smaller rated current than the semiconductor relays     at cylindrical design 14 x 51 mm usable  3NA6812: These fuses have a smaller rated current than the semiconductor relays     3NW6112-1: These fuses have a smaller rated current than the semiconductor	during operation     during storage  Electromagnetic compatibility  conducted interference     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	2 kV / 5 kHz behavior criterion 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 Class A for industrial environment Class B for the domestic, business and commercial environments
<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>at cylindrical design 14 x 51 mm usable</li> <li>3NC2280</li> <li>3NA6812: These fuses have a smaller rated current than the semiconductor relays</li> <li>at cylindrical design 14 x 51 mm usable</li> <li>3NM6112-1: These fuses have a smaller rated current than the semiconductor</li> </ul>	during operation     during storage  Electromagnetic compatibility  conducted interference     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 / 5 kHz behavior criterion 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 Class A for industrial environment Class B for the domestic, business and commercial environments
cylindrical design 22 x 58 mm usable  manufacturer's article number of the gG fuse  • at NH design usable  • at cylindrical design 14 x 51 mm usable  3NA6812: These fuses have a smaller rated current than the semiconductor relays  • at cylindrical design 14 x 51 mm usable  3NW6112-1: These fuses have a smaller rated current than the semiconductor	during operation     during storage  Electromagnetic compatibility  conducted interference     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 / 5 kHz behavior criterion 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 Class A for industrial environment Class B for the domestic, business and commercial environments  3NE1802-0 5SE1350
<ul> <li>at NH design usable</li> <li>3NA6812; These fuses have a smaller rated current than the semiconductor relays</li> <li>at cylindrical design 14 x 51 mm usable</li> <li>3NW6112-1; These fuses have a smaller rated current than the semiconductor</li> </ul>	during storage  Electromagnetic compatibility  conducted interference     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 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 NH design usable     of back-up R fuse link for semiconductor protection at	2 kV / 5 kHz behavior criterion 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 Class A for industrial environment Class B for the domestic, business and commercial environments  3NE1802-0 5SE1350 3NE8017-1
• at cylindrical design 14 x 51 mm usable  relays  • at cylindrical design 14 x 51 mm usable  3NW6112-1; These fuses have a smaller rated current than the semiconductor	during storage  Electromagnetic compatibility  conducted interference     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 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 14 x 51 mm usable     of back-up R fuse link for semiconductor protection at	2 kV / 5 kHz behavior criterion 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 Class A for industrial environment  Class B for the domestic, business and commercial environments  3NE1802-0 5SE1350 3NE8017-1 3NC1450
	during storage  Electromagnetic compatibility  conducted interference      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 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	2 kV / 5 kHz behavior criterion 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 Class A for industrial environment Class B for the domestic, business and commercial environments  3NE1802-0 5SE1350 3NE8017-1 3NC1450
	during storage  Electromagnetic compatibility  conducted interference     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 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 / 5 kHz behavior criterion 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 Class A for industrial environment  Class B for the domestic, business and commercial environments  3NE1802-0 5SE1350 3NE8017-1 3NC1450 3NC2280

• at cylindrical design 22 x 58 mm usable

3NW6212-1; These fuses have a smaller rated current than the semiconductor relays

manufacturer's article number

- of DIAZED fuse usable
- of NEOZED fuse usable

5SB4111: These fuses have a smaller rated current than the semiconductor relays

5SE2335; These fuses have a smaller rated current than the semiconductor relavs

## Approvals Certificates

**General Product Approval** 

**EMV** 





Confirmation







**Test Certificates** 

other

Railway

Environment

Type Test Certificates/Test Report

Special Test Certificate Confirmation



Special Test Certificate 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=3RF2340-1BA24

Cax online generator

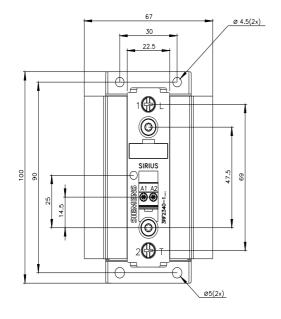
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RF2340-1BA24

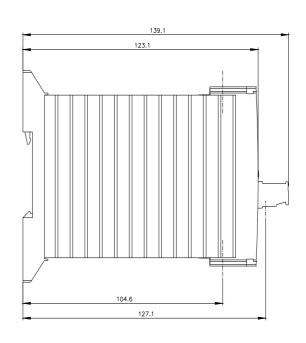
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

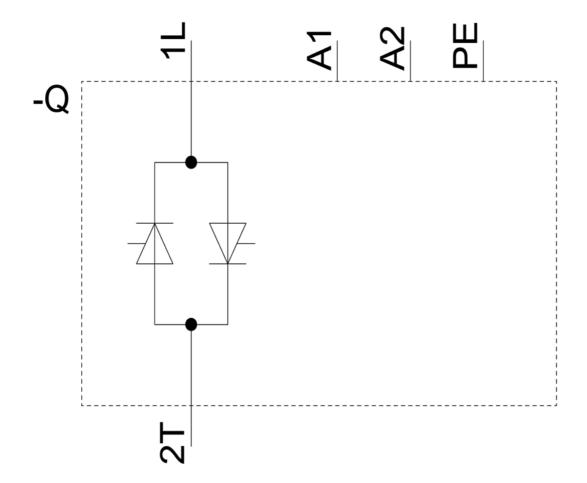
https://support.industry.siemens.com/cs/ww/en/ps/3RF2340-1BA24

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

http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RF2340-1BA24&lang=en







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