## SIEMENS

## Data sheet

## 3RF2450-3AC55



Solid-state contactor 3-phase 3RF2 AC 51 / 50 A / 40  $^\circ\rm C$  48-600 V / 230 V AC 3-phase controlled Ring cable connection Blocking voltage 1200 V

product brand name	SIRIUS
product designation	solid-state contactor
design of the product	three-phase controlled
product type designation	3RF24
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>	160 W
<ul> <li>at AC in hot operating state per pole</li> </ul>	53.33 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	IP00
protection class IP on the front according to IEC 60529	IP00
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)	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
Weight	1.213 kg
Main circuit	
number of poles for main current circuit	3
number of NO contacts for main contacts	3
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	48 600 V
— at 60 Hz rated value	48 600 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	40 660 V
• at 60 Hz	40 660 V
operational current	

• at AC-51 rated value     50 A       • at AC-51 rated value     38 A       • according to UL 500 rated value     38 A       operational current minimum     500 mA       rate of voltage rise at the thyristor for main contacts     1000 V/µs       blocking voltage at the thyristor for main contacts     1200 V       maximum permissible     100 N/µs       reverse current of the thyristor     10 mA       derating temperature     40 °C       surge current resistance rated value     1150 A       121 value maximum     6 800 A*s       Control circuit/ Control     V/µs       type of voltage of the control supply voltage     AC       control supply voltage frequency     40 °C       • at 60 Hz     180 230 V       • at 60 Hz     180 230 V       • at 60 Hz     66 Hz       control supply voltage at AC     66 Hz       • at 60 Hz     180 230 V       • at 60 Hz full-scale value for signal <d> recognition       • at 60 Hz full-scale value for signal<d> recognition       • at 60 Hz full-scale value for signal<d> recognition       • at 60 Hz full-scale value for signal<d> recognition       • at 60 Hz full-scale value for signal<d> recognition       • at 60 Hz full-scale value for signal<d> recognition       • at 60 Hz full-scale value for signal<d> recognition       • at 60</d></d></d></d></d></d></d>	
• according to UL 50 rated value     38 A       operational current minimum     500 mA       rate of voltage rise at the thyristor for main contacts     1000 V/µs       maximum permissible     1200 V       blocking voltage at the thyristor for main contacts     1200 V       reverse current of the thyristor     10 mA       derating temperature     40 °C       surge current resistance rated value     1150 A       12t value maximum     6 600 A²s       Control circuit/ Control     180 230 V       • at 50 Hz     180 230 V       • at 60 Hz     180 230 V       • at 60 Hz     66 Hz       control supply voltage frequency     45 Hz       • 1 rated value     66 Hz       control supply voltage at AC     180 V       • at 60 Hz full-scale value for signal <o> recognition     40 V       • at 60 Hz full-scale value for signal<o> recognition     40 V       • at 60 Hz full-scale value for signal<o> recognition     180 V       control current at minimum control supply voltage     5 Hz       • at AC initial value for signal<o> recognition     40 V       • at AC initial value for signal<o> recognition     180 V       control current at minimum control supply voltage     5 Hz       control current at minimum control supply voltage     5 Hz       control current at AC rated va</o></o></o></o></o>	
operational current minimum       500 mA         rate of voltage rise at the thyristor for main contacts       1 000 V/µs         maximum permissible       100 M         blocking voltage at the thyristor for main contacts       1 200 V         maximum permissible       10 mA         derating temperature       40 °C         surge current resistance rated value       1 150 A         12t value maximum       6 600 A².s         Control circuit/ Control       1000 V/µs         type of voltage of the control supply voltage       AC         control supply voltage 1 at AC       180 230 V         • at 50 Hz       180 230 V         • at 60 Hz       180 230 V         • at 60 Hz       66 Hz         control supply voltage frequency       6 Hz         • at 60 Hz dulue       66 Hz         control supply voltage at AC       60 Hz         control supply voltage at AC       60 Hz         • at 60 Hz full-scale value for signal<<>> recognition         control supply voltage       66 Hz         control supply voltage       6 Hz         control supply voltage       60 Hz         control supply voltage       6 Hz         control supply voltage       5 Hz         e at AC	
rate of voltage rise at the thyristor for main contacts maximum permissible       1 000 V/µs         blocking voltage at the thyristor for main contacts       1 200 V         maximum permissible       1 200 V         derating temperature       40 °C         surge current of the thyristor       10 mA         derating temperature       40 °C         surge current resistance rated value       1 150 A         12t value maximum       6 600 A³·s         Control circuit/ Control       ************************************	
maximum permissible       1200 V         blocking voltage at the thyristor for main contacts       1200 V         reverse current of the thyristor       10 mA         derating temperature       40 °C         surge current resistance rated value       1150 A         Izt value maximum       6 600 A <sup>2</sup> ·s         Control circuit/ Control       180 230 V         e at 50 Hz       180 230 V         e at 60 Hz       180 230 V         control supply voltage frequency       45 Hz         e 1 to Hz       66 Hz         control supply voltage at AC       0 V         e at 60 Hz culls/ cull-scale value for signal<0> recognition       40 V         e at 60 Hz full-scale value for signal<1> detection       180 V         control supply voltage       Frequency         e at 60 Hz full-scale value for signal<1> detection       40 V         e at 60 Hz full-scale value for signal<1> detection       180 V         control supply voltage       5 Hz         control supply voltage       5 Hz         control current at AC rated value       5 Hz         control current at AC rated value       15 mA         ON-delay time       40 ms; additionally max. one half-wave         Avxillary circuit       type of switching contact	
maximum permissible       10 mA         derating temperature       40 °C         surge current resistance rated value       1150 A         I2t value maximum       6 600 A² s         Control circuit/ Control       ************************************	
derating temperature     40 °C       surge current resistance rated value     1 150 A       Izt value maximum     6 600 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     180 230 V       • at 60 Hz     180 230 V       • at 60 Hz     66 Hz       control supply voltage frequency     ***       • 1 rated value     45 Hz       • 2 rated value     66 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       • at 60 Hz full-scale value for signal<1> detection     180 V       symmetrical line frequency tolerance     5 Hz       control current at minimum control supply voltage     5 Hz       • at AC     2 mA       control current at AC rated value     15 mA       ON-delay time     40 ms; additionally max. one half-wave       Auxiliary circuit     10 mortall open contact (NO)       number of NC contacts for auxiliary contacts     0	
surge current resistance rated value 1 150 A 12t value maximum 6 6000 A²-s Control circuit/ Control type of voltage of the control supply voltage AC control supply voltage 1 at AC • at 50 Hz • at 60 Hz control supply voltage frequency • 1 rated value 45 Hz • 2 rated value 66 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 180 V control supply voltage • at AC initial value for signal<0> recognition 180 V control supply voltage at AC • at 60 Hz full-scale value for signal<0> recognition 5 Hz control supply voltage 40 for signal<0> recognition 180 V control supply voltage 40 for signal<0> recognition 180 V control supply voltage 40 for signal<0> recognition 180 V control supply voltage 40 for signal<0> recognition 180 V symmetrical line frequency tolerance 5 Hz control current at minimum control supply voltage • at AC ated value 15 mA ON-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	
I2t value maximum       6 600 A²-s         Control circult/ Control       AC         type of voltage of the control supply voltage       AC         control supply voltage 1 at AC       180 230 V         • at 50 Hz       180 230 V         • at 60 Hz       180 230 V         control supply voltage frequency       180 230 V         • at 70 Hz       180 230 V         control supply voltage frequency       66 Hz         • 2 rated value       66 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       180 V         control supply voltage          • at AC initial value for signal <1> detection       180 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         Auxiliary circuit          type of switching contact       normally open contact (NO)         number of NC contacts for auxiliary contacts       0	
Control circuit/ Control         type of voltage of the control supply voltage       AC         control supply voltage 1 at AC       180 230 V         • at 50 Hz       180 230 V         • at 60 Hz       180 230 V         control supply voltage frequency       45 Hz         • 1 rated value       66 Hz         control supply voltage at AC       66 Hz         • at 50 Hz full-scale value for signal<0> recognition       40 V         • at 50 Hz full-scale value for signal<0> recognition       180 V         control supply voltage       180 V         e at 60 Hz full-scale value for signal<1> detection       180 V         control supply voltage       5 Hz         control current at minimum control supply voltage       5 Hz         control current at AC rated value       15 mA         ON-delay time       40 ms; additionally max. one half-wave         Auxiliary circuit       type of switching contact       normally open contact (NO)	
type of voltage of the control supply voltage       AC         control supply voltage 1 at AC       180 230 V         • at 50 Hz       180 230 V         • at 60 Hz       180 230 V         control supply voltage frequency       45 Hz         • 1 rated value       66 Hz         • at 50 Hz full-scale value for signal<0> recognition       40 V         • at 50 Hz full-scale value for signal<0> recognition       40 V         • at 60 Hz full-scale value for signal<0> recognition       180 V         control supply voltage       •         • at 60 Hz full-scale value for signal<1> recognition       180 V         control supply voltage       •         • at AC initial value for signal <1> detection       180 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         Auxiliary circuit       10         type of switching contact       normally open contact (NO)         number of NC contacts for auxiliary contacts       0	
control supply voltage 1 at AC         • at 50 Hz         • at 60 Hz         1 rated value         • 1 rated value         • 2 rated value         • 2 rated value         • at 50 Hz full-scale value for signal<0> recognition         • at 60 Hz full-scale value for signal<0> recognition         • at 60 Hz full-scale value for signal<0> recognition         • at 60 Hz full-scale value for signal<0> recognition         • at 60 Hz full-scale value for signal<1> recognition         • at 60 Hz full-scale value for signal<0> recognition         • at 60 Hz full-scale value for signal<1> recognition         • at AC initial value for signal<1> detection         • at AC initial value for signal<1> detection         • at AC         • at	
• at 50 Hz       180 230 V         • at 60 Hz       180 230 V         control supply voltage frequency       180 230 V         • 1 rated value       45 Hz         • 2 rated value       66 Hz         control supply voltage at AC       40 V         • at 50 Hz full-scale value for signal<0> recognition       40 V         • at 60 Hz full-scale value for signal<0> recognition       180 V         control supply voltage       64 Hz         • at 60 Hz full-scale value for signal<1> recognition       180 V         control supply voltage       180 V         • at AC initial value for signal <1> detection       180 V         symmetrical line frequency tolerance       5 Hz         control current at minimum control supply voltage       5 Hz         other at AC       2 mA         control current at AC rated value       15 mA         ON-delay time       40 ms; additionally max. one half-wave         Auxiliary circuit       normally open contact (NO)         number of NC contacts for auxiliary contacts       0	
• at 60 Hz       180 230 V         control supply voltage frequency       45 Hz         • 2 rated value       66 Hz         control supply voltage at AC       66 Hz         • at 50 Hz full-scale value for signal<0> recognition       40 V         • at 60 Hz full-scale value for signal<0> recognition       180 V         control supply voltage       64 Hz         • at 60 Hz full-scale value for signal<0> recognition       180 V         control supply voltage       180 V         • at AC initial value for signal <1> detection       180 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         Auxiliary circuit       normally open contact (NO)         number of NC contacts for auxiliary contacts       0	
control supply voltage frequency       45 Hz         • 1 rated value       66 Hz         control supply voltage at AC       64 V         • at 50 Hz full-scale value for signal<0> recognition       40 V         • at 60 Hz full-scale value for signal<0> recognition       180 V         control supply voltage	
• 1 rated value       45 Hz         • 2 rated value       66 Hz         control supply voltage at AC       40 V         • 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       45 Hz         • at AC initial value for signal <1> detection       180 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         Auxiliary circuit       1         type of switching contact       normally open contact (NO)         number of NC contacts for auxiliary contacts       0	
• 2 rated value       66 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       180 V         control supply voltage       -         • at AC initial value for signal <1> detection       180 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         Auxiliary circuit       -         type of switching contact       normally open contact (NO)         number of NC contacts for auxiliary contacts       0	
control supply voltage at AC       40 V         • at 50 Hz full-scale value for signal<0> recognition       40 V         • at 60 Hz full-scale value for signal<0> recognition       180 V         control supply voltage       180 V         • at AC initial value for signal <1> detection       180 V         symmetrical line frequency tolerance       5 Hz         control current at minimum control supply voltage       2 mA         • at AC rated value       15 mA         ON-delay time       40 ms; additionally max. one half-wave         Auxiliary circuit       normally open contact (NO)         number of NC contacts for auxiliary contacts       0	
<ul> <li>at 50 Hz full-scale value for signal&lt;0&gt; recognition</li> <li>at 60 Hz full-scale value for signal&lt;0&gt; recognition</li> <li>180 V</li> <li>control supply voltage         <ul> <li>at AC initial value for signal&lt;1&gt; detection</li> <li>180 V</li> </ul> </li> <li>symmetrical line frequency tolerance</li> <li>5 Hz</li> <li>control current at minimum control supply voltage         <ul> <li>at AC</li> <li>2 mA</li> <li>control current at AC rated value</li> <li>15 mA</li> </ul> </li> <li>ON-delay time</li> <li>40 ms; additionally max. one half-wave</li> <li>Auxiliary circuit</li> <li>type of switching contact</li> <li>normally open contact (NO)</li> <li>number of NC contacts for auxiliary contacts</li> <li>0</li> </ul>	
<ul> <li>at 50 Hz full-scale value for signal&lt;0&gt; recognition</li> <li>at 60 Hz full-scale value for signal&lt;0&gt; recognition</li> <li>180 V</li> <li>control supply voltage         <ul> <li>at AC initial value for signal&lt;1&gt; detection</li> <li>180 V</li> </ul> </li> <li>symmetrical line frequency tolerance</li> <li>5 Hz</li> <li>control current at minimum control supply voltage         <ul> <li>at AC</li> <li>2 mA</li> <li>control current at AC rated value</li> <li>15 mA</li> </ul> </li> <li>ON-delay time</li> <li>40 ms; additionally max. one half-wave</li> <li>Auxiliary circuit</li> <li>type of switching contact</li> <li>normally open contact (NO)</li> <li>number of NC contacts for auxiliary contacts</li> <li>0</li> </ul>	
• at 60 Hz full-scale value for signal<0> recognition         180 V           control supply voltage         -           • at AC initial value for signal <1> detection         180 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           Auxiliary circuit         -           type of switching contact         normally open contact (NO)           number of NC contacts for auxiliary contacts         0	
control supply voltage	
• at AC initial value for signal <1> detection       180 V         symmetrical line frequency tolerance       5 Hz         control current at minimum control supply voltage       • at AC         • at AC       2 mA         control current at AC rated value       15 mA         ON-delay time       40 ms; additionally max. one half-wave         Auxiliary circuit       15 mA         type of switching contact       normally open contact (NO)         number of NC contacts for auxiliary contacts       0	
symmetrical line frequency tolerance       5 Hz         control current at minimum control supply voltage       2 mA         • at AC       2 mA         control current at AC rated value       15 mA         ON-delay time       40 ms; additionally max. one half-wave         Auxiliary circuit       15 mA         type of switching contact       normally open contact (NO)         number of NC contacts for auxiliary contacts       0	
control current at minimum control supply voltage       2 mA         • at AC       2 mA         control current at AC rated value       15 mA         ON-delay time       40 ms; additionally max. one half-wave         Auxiliary circuit       15 mA         type of switching contact       normally open contact (NO)         number of NC contacts for auxiliary contacts       0	
• at AC     2 mA       control current at AC rated value     15 mA       ON-delay time     40 ms; additionally max. one half-wave       Auxiliary circuit     15 mA       type of switching contact     normally open contact (NO)       number of NC contacts for auxiliary contacts     0	
ON-delay time       40 ms; additionally max. one half-wave         Auxiliary circuit       40 ms; additionally max. one half-wave         type of switching contact       normally open contact (NO)         number of NC contacts for auxiliary contacts       0	
ON-delay time       40 ms; additionally max. one half-wave         Auxiliary circuit       40 ms; additionally max. one half-wave         type of switching contact       normally open contact (NO)         number of NC contacts for auxiliary contacts       0	
Auxiliary circuit       type of switching contact     normally open contact (NO)       number of NC contacts for auxiliary contacts     0	
type of switching contact         normally open contact (NO)           number of NC contacts for auxiliary contacts         0	
number of NC 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	
design of the thread of the screw for securing the M4 equipment	
height 150 mm	
width 119.5 mm	
depth 130 mm	
Connections/ Terminals	
product component removable terminal for auxiliary and Yes	
type of electrical connection	
for main current circuit     Ring cable lug connection	
for auxiliary and control circuit     screw-type terminals	
type of connectable conductor cross-sections	
• for main contacts for JIS cable lug JIS C 2805 R 2-5, 5,5-5, 8-5, 14-5	
for DIN cable lug for main contacts     DIN 46234 -5-2,5, -5-6, -5-10, -5-25	
• for DIN cable lug for main contacts DIN 46234 -5-2,5, -5-6, -5-10, -5-16, -5-25	
for DIN cable lug for main contacts     DIN 46234 -5-2,5, -5-6, -5-10, -5-16, -5-25     type of connectable conductor cross-sections	
• for DIN cable lug for main contacts       DIN 46234 -5-2,5, -5-6, -5-10, -5-16, -5-25         type of connectable conductor cross-sections       • for auxiliary and control contacts         • for auxiliary and control contacts       1x (0.5 2.5 mm²), 2x (0.5 1.0 mm²)	
for DIN cable lug for main contacts     DIN 46234 -5-2,5, -5-6, -5-10, -5-16, -5-25      type of connectable conductor cross-sections         for auxiliary and control contacts         solid         finely stranded with core end processing         1x (0.5 2.5 mm²), 2x (0.5 1.0 mm²)         1x (0.5 2.5 mm²), 2x (0.5 1.0 mm²)	
• for DIN cable lug for main contactsDIN 46234 -5-2,5, -5-6, -5-10, -5-16, -5-25type of connectable conductor cross-sections• for auxiliary and control contacts1x (0.5 2.5 mm²), 2x (0.5 1.0 mm²)- finely stranded with core end processing1x (0.5 2.5 mm²), 2x (0.5 1.0 mm²)- finely stranded without core end processing1x (0.5 2.5 mm²), 2x (0.5 1.0 mm²)- finely stranded without core end processing1x (0.5 2.5 mm²), 2x (0.5 1.0 mm²)	
• for DIN cable lug for main contactsDIN 46234 -5-2,5, -5-6, -5-10, -5-16, -5-25type of connectable conductor cross-sections• for auxiliary and control contacts1x (0.5 2.5 mm²), 2x (0.5 1.0 mm²)- finely stranded with core end processing1x (0.5 2.5 mm²), 2x (0.5 1.0 mm²)- finely stranded without core end processing1x (0.5 2.5 mm²), 2x (0.5 1.0 mm²)- finely stranded without core end processing1x (0.5 2.5 mm²), 2x (0.5 1.0 mm²)• for AWG cables for auxiliary and control contacts1x (AWG 20 12)	
• for DIN cable lug for main contactsDIN 46234 -5-2,5, -5-6, -5-10, -5-16, -5-25type of connectable conductor cross-sections	
• for DIN cable lug for main contactsDIN 46234 -5-2,5, -5-6, -5-10, -5-16, -5-25type of connectable conductor cross-sections• for auxiliary and control contacts1x (0.5 2.5 mm²), 2x (0.5 1.0 mm²)- finely stranded with core end processing1x (0.5 2.5 mm²), 2x (0.5 1.0 mm²)- finely stranded without core end processing1x (0.5 2.5 mm²), 2x (0.5 1.0 mm²)- finely stranded without core end processing1x (0.5 2.5 mm²), 2x (0.5 1.0 mm²)• for AWG cables for auxiliary and control contacts1x (AWG 20 12)	

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>	7.5 5.3 lbf·in
terminals	
design of the thread of the connection screw	115
for main contacts	M5
of the auxiliary and control contacts	M3
stripped length of the cable	7
<ul> <li>for main contacts</li> <li>for auxiliary and control contacts</li> </ul>	7 mm 7 mm
Electrical Safety	7 11111
protection class IP on the front according to IEC 60529	IP00
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	
due to burst according to IEC 61000-4-4	2 kV / 5 kHz behavior criterion 2
<ul> <li>due to conductor-earth surge according to IEC 61000-4-5</li> </ul>	2 kV behavior criterion 2
due to conductor-conductor surge according to IEC	1 kV behavior criterion 2
61000-4-5 • due to high-frequency radiation according to IEC 61000-	140 dBuV in the frequency range 0.15 80 MHz, behavior criterion 1
4-6	
electrostatic discharge according to IEC 61000-4-2	4 kV contact discharging / 8 kV air discharging, behavior criterion 2
conducted HF interference emissions according to CISPR11	Class A for industrial environment
field-bound HF interference emission according to CISPR11	Class A for industrial environment
Short-circuit protection, design of the fuse link	
manufacturer's article number	
<ul> <li>of full range R fuse link for semiconductor protection at NH design usable</li> </ul>	<u>3NE1817-0</u>
<ul> <li>of full range R fuse link for semiconductor protection at cylindrical design usable</li> </ul>	5SE1350: Maximum operating voltage 400 V!
<ul> <li>of back-up R fuse link for semiconductor protection at NH design usable</li> </ul>	<u>3NE8018-1</u>
<ul> <li>of back-up R fuse link for semiconductor protection at cylindrical design 14 x 51 mm usable</li> </ul>	<u>3NC1450</u>
<ul> <li>of back-up R fuse link for semiconductor protection at cylindrical design 22 x 58 mm usable</li> </ul>	<u>3NC2280</u>
manufacturer's article number of the gG fuse at NH design usable	
• up to 460 V	<u>3NA3812: These fuses have a smaller rated current than the semiconductor</u> relays
Approvals Certificates	
General Product Approval EMV	
Confirmation	······································
Test Certificates other	Environment
	Environmental Oce
Type Test Certific- Confirmation ates/Test Report	Environmental Con- firmations
VDE	
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=3RF2450-3AC55

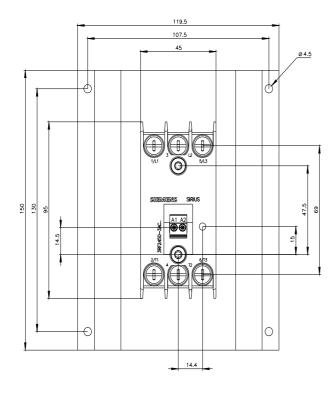
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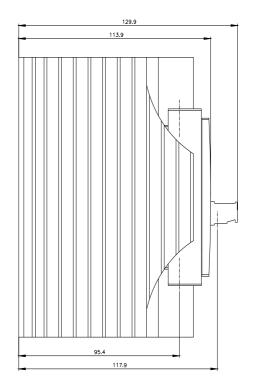
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RF2450-3AC55

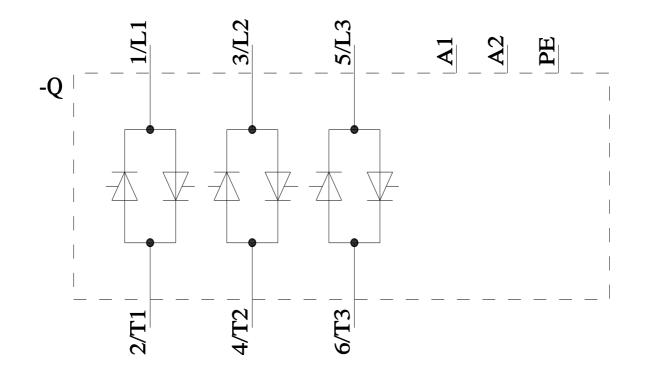
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/ww/en/ps/3RF2450-3AC55

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RF2450-3AC55&lang=en







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