## **SIEMENS**

Data sheet 3RF2410-1AB45



Solid-state contactor 3-phase 3RF2 AC 51 / 10 A / 40  $^{\circ}$ C 48-600 V / 4-30 V DC 2-phase controlled screw terminal Blocking voltage 1200 V

product brand name product designation design of the product product type designation annufactures' article number  • _2 of the accessories that can be ordered  -2 onverter  -2 of the accessories that can be ordered  -2 of the accessories that can be ordered  -2 of the accessories that can be ordered  -2 onverter  -2 of the accessories that can be ordered  -2 onverter  -2 of the accessories that can be ordered  -2 onverter  -2 of the accessories that can be ordered  -2 onverter  -2 of the accessories that can be ordered  -2 onverter  -2 of the accessories that can be ordered  -2 onverter  -2 of the accessories that can be ordered  -2 onverter  -2 onv		
design of the product product type designation grafter's article number  • _ 2 of the accessories that can be ordered groduct designation • _ 2 of the accessories that can be ordered converter  General technical data  product function power loss [W] for rated value of the current • at AC in hot operating state per pole • without load current share typical insulation voltage rated value degree of pollution type of voltage • of the control supply voltage • of the control supply voltage • of the control supply voltage surge voltage resistance of main circuit rated value shock resistance according to IEC 60068-2-6 2g reference code according to EEC 61846-2 Q Substance Prohibitance (Date) Misin circuit number of NO contacts for main contacts type of voltage of the operating voltage  • at AC — at 50 Hz rated value  • at 60 Hz	product brand name	SIRIUS
product type designation manufacturer's article number  • 2 of the accessories that can be ordered  product designation • 2 of the accessories that can be ordered  product designation • 2 of the accessories that can be ordered  ceneral technical data  product function  power loss [W] for rated value of the current • at AC in hot operating state per pole • without load current share typical insulation voltage rated value  degree of pollution  type of voltage • of the control supply voltage • of the control supply voltage  • of the control supply voltage  surge voltage resistance of main circuit rated value  6 kV shock resistance according to IEC 60068-2-27  reference code according to IEC 60068-2-2  reference code according to IEC 81346-2  Q reference code according to IEC 81346-2  Q reference of NC contacts for main current circuit number of NO contacts for main current circuit number of NO contacts for main current circuit number of NO contacts for main current circuit number of NC contacts for main contacts 1 ype of voltage of the operating voltage operating requency rated value  • at AC  — at 50 Hz rated value — at 60 Hz rated value  • at 60 Hz	product designation	solid-state contactor
manufacturer's article number  • 2 of the accessories that can be ordered product designation  • 2 of the accessories that can be ordered converter  conve	design of the product	two-phase controlled
• _ 2 of the accessories that can be ordered  product designation • _ 2 of the accessories that can be ordered  converter  Concert technical data  product function  at AC in hot operating state • at AC in hot operating state per pole • without load current share typical insulation voltage rated value  of the control supply voltage  of the operating voltage  of the operating voltage  of the control supply to the control supply voltage  surge voltage resistance of main circuit rated value  of the control supply to the control supply voltage  vibration resistance according to IEC 60068-2-27  reference code according to ER 61346-2  question of the control supply voltage  and control supply voltage  vibration resistance according to ER 61346-2  question of the control supply voltage  voltage resistance according to ER 61346-2  question of the control supply voltage  vibration resistance according to ER 61346-2  question of the control supply voltage  vibration resistance according to ER 61346-2  question of the control supply voltage  vibration resistance according to ER 61346-2  question of the control supply voltage  of the control supply voltage  vibration resistance of the operating voltage  of the control supply voltage	product type designation	3RF24
product designation  • _2 of the accessories that can be ordered  Converted technical data  product function  power loss [W] for rated value of the current  • at AC in hot operating state 23 W  • without load current share typical 0.9 W  insulation voltage rated value 600 V  degree of pollution 3  type of voltage  • of the control supply voltage DC  • with control supply voltage AC  • of the control supply such according to IEC 60068-2-27 15g / 11 ms  vibration resistance according to IEC 60068-2-6 2g  reference code according to IEC 60068-2-6 Q  reference code according to IEC 6146-2 Q  Substance Prohibitance (Date) 07/01/2006  Main circuit 1 anumber of poles for main current circuit 1 anumber of NC contacts for main contacts 2  number of NC contacts for main contacts 2  number of NC contacts for main contacts 2  number of NC contacts for main contacts 0  type of voltage of the operating voltage 1 AC  — at 60 Hz rated value 48 600 V  operating frequency rated value 50 60 Hz  relative symmetrical tolerance of the operating frequency 0  operating range relative to the operating requency 0  operating range relative to the operating requency 0  operating range relative to the operating voltage at AC  • at 50 Hz 40 660 V  • at 60 Hz 160 Hz 160 Hz 160 V  • at 60 Hz 160 Hz 160 Hz 160 V  • at 60 Hz 160 Hz 160 Hz 160 V  • at 60 Hz 160 Hz 160 Hz 160 V  • at 60 Hz 160 Hz 160 Hz 160 V  • at 60 Hz 160 Hz 160 Hz 160 V  • at 60 Hz 160 Hz 160 Hz 160 V  • at 60 Hz 160 Hz 160 Hz 160 V  • at 60 Hz 160 Hz 160 Hz 160 V	manufacturer's article number	
One of the accessories that can be ordered  Ceneral technical data product function power loss [W] for rated value of the current      at AC in hot operating state 23 W     at AC in hot operating state 9.9 W     without load current share typical 9.9 W  Insulation voltage rated value 600 V  degree of pollution 3  type of voltage 9.0 Fe control supply voltage	• _2 of the accessories that can be ordered	3RF2900-0EA18
product function zero-point switching power loss [W] for rated value of the current  • at AC in hot operating state 23 W • without load current share typical 0.9 W insulation voltage rated value 660 V degree of pollution 3  type of voltage • of the operating voltage AC surge voltage resistance of main circuit rated value 6 kV shock resistance according to IEC 60068-2-7 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  Main circuit number of poles for main current circuit 3 number of NC contacts for main contacts 1 number of NC contacts for main contacts 2 number of NC contacts for main contacts 2 number of VC contacts for main contacts 4 number of VC contacts for main contacts 5 number of VC contacts for main contacts 5 number of NC contacts for main contacts 6 number of VC contacts for main contacts 7 number of VC contacts for main contacts 7 number of VC contacts for main contacts 9 number of VC contacts for main contacts 1 n	product designation	
product function power loss [W] for rated value of the current  • at AC in hot operating state • at AC in hot operating state per pole • without load current share typical • of the operating voltage • of the operating voltage • of the operating voltage • of the control supply voltage  surge voltage resistance of main circuit rated value • 6 kV shock resistance according to IEC 60068-2-7  15g / 11 ms  vibration resistance according to IEC 60068-2-6  2g reference code according to IEC 60068-2-6  2g reference code according to IEC 81346-2  Q Substance Prohibitance (Date)  Main circuit  number of NO contacts for main contacts 0 type of voltage of the operating voltage • at AC  — at 50 Hz rated value — at 60 Hz rated value relative symmetrical tolerance of the operating frequency operating requency rated value relative symmetrical tolerance of the operating frequency operating range relative to the operating voltage at AC • at 50 Hz • at 60 Hz	_2 of the accessories that can be ordered	converter
power loss [W] for rated value of the current  at AC in hot operating state  at AC in hot operating state per pole  without load current share typical  fusulation voltage rated value  degree of pollution  type of voltage  of the operating voltage  of the control supply voltage  fusure voltage resistance of main circuit rated value  of k k v  shock resistance according to IEC 60068-2-27  vibration resistance according to IEC 60068-2-6  greference code according to IEC 60068-2-6  greference code according to IEC 60068-2-0  Qreference code according to IEC 80068-2-0  Question of the control supply voltage  of the control supply voltage  operating to IEC 60068-2-1  greference code according to IEC 60068-2-2  Question of the control supply voltage  operating to IEC 80068-2-2  Question of the control supply voltage  operating to IEC 80068-2-2  Question of the control supply voltage  operating voltage  ot AC  operating voltage  ot AC  operating voltage  operating voltage  operating frequency rated value  relative symmetrical tolerance of the operating frequency  operating range relative to the operating voltage at AC  operating range relative to the operating voltage at AC  operating range relative to the operating voltage at AC  operating range relative to the operating voltage at AC  operating range relative to the operating voltage at AC  operating range relative to the operating voltage at AC  operating range relative to the operating voltage at AC  operating range relative to the operating voltage at AC  operating range relative to the operating voltage at AC  operating range relative to the operating voltage at AC  operating range relative to the operating voltage at AC  operating range relative to the operating voltage at AC  operating range relative to the operating voltage at AC  operating range relative to the operating voltage at AC  operating range r	General technical data	
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at AC in hot operating state per pole without load current share typical insulation voltage rated value degree of pollution 3 type of voltage of the operating voltage of the control supply voltage of the control supply voltage  of the control supply voltage  of the control supply voltage  of the control supply voltage  surge voltage resistance according to IEC 60068-2-27 15g / 11 ms  vibration resistance according to IEC 60068-2-27 15g / 11 ms  vibration resistance according to IEC 60068-2-20  reference code according to IEC 81346-2 Q reference code according to IEC 81346-2 Q Substance Prohibitance (Date) 07/01/2006  Main circuit number of poles for main current circuit number of NC contacts for main contacts 1 number of NC contacts for main contacts 1 type of voltage of the operating voltage operating voltage  at AC — at 50 Hz rated value - at 60 Hz rated value relative symmetrical tolerance of the operating frequency operating range relative to the operating voltage at AC  at 50 Hz at 50 Hz  at 50 Hz  40 660 V  40 660 V  40 660 V	power loss [W] for rated value of the current	
without load current share typical     insulation voltage rated value     degree of pollution     3  type of voltage     of the operating voltage     of the control supply voltage according to IEC 60068-2-27     of the voltage of the State Sta	<ul> <li>at AC in hot operating state</li> </ul>	23 W
Insulation voltage rated value 600 V  degree of pollution 3  type of voltage  • of the operating voltage DC  surge voltage resistance of main circuit rated value 6 kV  shock resistance according to IEC 60068-2-27 15g / 11 ms  vibration resistance according to IEC 60068-2-6 2g  reference code according to IEC 81346-2 Q  Substance Prohibitance (Date) 07/01/2006  Main circuit  number of poles for main current circuit 3  number of NO contacts for main contacts 2  number of NC contacts for main contacts 0  type of voltage of the operating voltage AC  operating voltage 48 600 V  — at 50 Hz rated value 48 600 V  operating frequency rated value 50 60 Hz  relative symmetrical tolerance of the operating voltage at AC  • at 50 Hz  • at 60 Hz  • at 60 Hz  • at 60 Hz	<ul> <li>at AC in hot operating state per pole</li> </ul>	7.67 W
degree of pollution  type of voltage  of the operating voltage  of the control supply voltage  DC  surge voltage resistance of main circuit rated value shock resistance according to IEC 60068-2-27  tips / 11 ms  vibration resistance according to IEC 60068-2-6  2g  reference code according to IEC 81346-2  Q  Substance Prohibitance (Date)  Nation resistance (Date)  number of poles for main current circuit number of NC contacts for main contacts  number of NC contacts for main contacts  type of voltage of the operating voltage  at AC  — at 50 Hz rated value — at 60 Hz rated value operating requency rated value relative symmetrical tolerance of the operating frequency operating requency rated value  at 50 Hz  at 50 Hz  at 50 Hz  40 660 V  at 60 Hz	without load current share typical	0.9 W
type of voltage  of the operating voltage for the control supply voltage  of the control supply voltage  surge voltage resistance of main circuit rated value  shock resistance according to IEC 60068-2-27  15g / 11 ms  vibration resistance according to IEC 60068-2-6  reference code according to EN 61346-2  Q  reference code according to IEC 81346-2  Q  Substance Prohibitance (Date)  Main circuit  number of poles for main current circuit  13  number of NO contacts for main contacts  2  number of NC contacts for main contacts  10  type of voltage of the operating voltage  at AC  — at 50 Hz rated value  relative symmetrical tolerance of the operating frequency  operating range relative to the operating voltage at AC  at 50 Hz  at 60 Hz  40 660 V  at 60 Hz	insulation voltage rated value	600 V
of the operating voltage of the control supply voltage  surge voltage resistance of main circuit rated value shock resistance according to IEC 60068-2-27  reference code according to IEC 60068-2-6  reference code according to IEC 81346-2  Q reference code according to IEC 81346-2  Q Substance Prohibitance (Date)  Main circuit  number of poles for main current circuit  number of NO contacts for main contacts 2 number of NC contacts for main contacts 0 type of voltage of the operating voltage  operating voltage  ot AC  — at 50 Hz rated value — at 60 Hz rated value relative symmetrical tolerance of the operating requency operating range relative to the operating voltage at AC  • at 50 Hz • at 60 Hz	degree of pollution	3
of the control supply voltage     surge voltage resistance of main circuit rated value     shock resistance according to IEC 60068-2-27     15g / 11 ms     vibration resistance according to IEC 60068-2-6     2g     reference code according to EN 61346-2     Q     reference code according to IEC 81346-2     Q     Substance Prohibitance (Date)     7/01/2006  Main circuit     number of poles for main current circuit     number of NO contacts for main contacts     2     number of NC contacts for main contacts     1     vipe of voltage of the operating voltage     • at AC     — at 50 Hz rated value     — at 60 Hz rated value     relative symmetrical tolerance of the operating requency     operating range relative to the operating voltage at AC     • at 50 Hz     • at 50 Hz     • at 60 Hz     • at 60 Hz	type of voltage	
surge voltage resistance of main circuit rated value  shock resistance according to IEC 60068-2-27  15g / 11 ms  vibration resistance according to IEC 60068-2-6  reference code according to EN 61346-2  reference code according to IEC 81346-2  Q  substance Prohibitance (Date)  Main circuit  number of poles for main current circuit  number of NO contacts for main contacts  2  number of NC contacts for main contacts  type of voltage of the operating voltage  • at AC  — at 50 Hz rated value  - at 60 Hz  relative symmetrical tolerance of the operating requency  • at 50 Hz  • at 60 Hz	<ul> <li>of the operating voltage</li> </ul>	AC
shock resistance according to IEC 60068-2-27  vibration resistance according to IEC 60068-2-6  2g  reference code according to EN 61346-2  Q  reference code according to IEC 81346-2  Q  Substance Prohibitance (Date)  Main circuit  number of poles for main current circuit  number of NO contacts for main contacts  type of voltage of the operating voltage  • at AC  — at 50 Hz rated value — at 60 Hz rated value  operating requency rated value  relative symmetrical tolerance of the operating voltage at AC  • at 50 Hz  • at 60 Hz	of the control supply voltage	DC
vibration resistance according to IEC 60068-2-6  reference code according to EN 61346-2  Q  reference code according to IEC 81346-2  Q  Substance Prohibitance (Date)  Main circuit  number of poles for main current circuit  number of NO contacts for main contacts  type of voltage of the operating voltage  • at AC  — at 50 Hz rated value  - at 60 Hz rated value  relative symmetrical tolerance of the operating requency  operating range relative to the operating voltage at AC  • at 50 Hz  • at 60 Hz  • at 60 Hz  40 660 V  • at 60 Hz	surge voltage resistance of main circuit rated value	6 kV
reference code according to EN 61346-2 Q reference code according to IEC 81346-2 Q Substance Prohibitance (Date) 07/01/2006  Main circuit  number of poles for main current circuit 3 number of NO contacts for main contacts 2 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 operating frequency rated value 50 60 Hz relative symmetrical tolerance of the operating voltage at AC • at 50 Hz • at 60 Hz  • at 60 Hz  40 660 V • at 60 Hz	shock resistance according to IEC 60068-2-27	15g / 11 ms
reference code according to IEC 81346-2  Substance Prohibitance (Date)  Main circuit  number of poles for main current circuit  number of NO contacts for main contacts  type of voltage of the operating voltage  • at AC  — at 50 Hz rated value — at 60 Hz rated value  operating frequency rated value  relative symmetrical tolerance of the operating voltage at AC  • at 50 Hz  • at 60 Hz	vibration resistance according to IEC 60068-2-6	2g
Substance Prohibitance (Date)  Main circuit  number of poles for main current circuit  number of NO contacts for main contacts  number of NC contacts for main contacts  type of voltage of the operating voltage  • at AC  — at 50 Hz rated value — at 60 Hz rated value  relative symmetrical tolerance of the operating voltage at AC  • at 50 Hz  • at 50 Hz  • at 50 Hz  • at 60 Hz	reference code according to EN 61346-2	Q
mumber of poles for main current circuit  number of NO contacts for main contacts  number of NC contacts for main contacts  type of voltage of the operating voltage  • at AC  — at 50 Hz rated value — at 60 Hz rated value  relative symmetrical tolerance of the operating voltage at AC  • at 50 Hz  • at 60 Hz  40 660 V  40 660 V	reference code according to IEC 81346-2	Q
number of poles for main current circuit  number of NO contacts for main contacts  2 number of NC contacts for main contacts  type of voltage of the operating voltage  • at AC  — at 50 Hz rated value — at 60 Hz rated value  telative symmetrical tolerance of the operating frequency  operating range relative to the operating voltage at AC  • at 50 Hz • at 60 Hz  40 660 V  40 660 V	Substance Prohibitance (Date)	07/01/2006
number of NO contacts for main contacts  1 number of NC contacts for main contacts  1 type of voltage of the operating voltage  1 operating voltage  1 at AC  1 at 50 Hz rated value  1 at 60 Hz rated value  2 operating frequency rated value  2 operating frequency rated value  48 600 V  2 operating frequency rated value  50 60 Hz  10 %  10	Main circuit	
number of NC contacts for main contacts  type of voltage of the operating voltage  • at AC  — at 50 Hz rated value — at 60 Hz rated value  telative symmetrical tolerance of the operating frequency  • at 50 Hz  • at 50 Hz  • at 50 Hz  • at 60 Hz	number of poles for main current circuit	3
type of voltage of the operating voltage  o at AC  — at 50 Hz rated value — at 60 Hz rated value  operating frequency rated value  relative symmetrical tolerance of the operating frequency  operating range relative to the operating voltage at AC  o at 50 Hz  o at 60 Hz  48 600 V  50 60 Hz  relative symmetrical tolerance of the operating frequency  operating range relative to the operating voltage at AC  o at 60 Hz  40 660 V  o at 60 Hz	number of NO contacts for main contacts	2
operating voltage  • at AC  — at 50 Hz rated value — at 60 Hz rated value  operating frequency rated value  solution of the operating frequency  operating range relative to the operating voltage at AC  • at 50 Hz  • at 60 Hz  48 600 V  50 60 Hz  10 %  operating range relative to the operating voltage at AC  • at 50 Hz  • at 60 Hz  40 660 V	number of NC contacts for main contacts	0
<ul> <li>at AC  — at 50 Hz rated value — at 60 Hz rated value 48 600 V  operating frequency rated value 50 60 Hz  relative symmetrical tolerance of the operating frequency operating range relative to the operating voltage at AC  • at 50 Hz • at 60 Hz 48 600 V  40 660 V  40 660 V</li> </ul>	type of voltage of the operating voltage	AC
<ul> <li>— at 50 Hz rated value</li> <li>— at 60 Hz rated value</li> <li>48 600 V</li> <li>operating frequency rated value</li> <li>50 60 Hz</li> <li>relative symmetrical tolerance of the operating frequency</li> <li>operating range relative to the operating voltage at AC</li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>40 660 V</li> <li>at 60 Hz</li> <li>40 660 V</li> </ul>	operating voltage	
— at 60 Hz rated value  operating frequency rated value  felative symmetrical tolerance of the operating frequency  operating range relative to the operating voltage at AC  o at 50 Hz  o at 60 Hz  48 600 V  40 660 V  40 660 V	• at AC	
operating frequency rated value  relative symmetrical tolerance of the operating frequency  operating range relative to the operating voltage at AC  • at 50 Hz  • at 60 Hz  40 660 V  • at 60 Hz	— at 50 Hz rated value	48 600 V
relative symmetrical tolerance of the operating frequency operating range relative to the operating voltage at AC  • at 50 Hz • at 60 Hz 40 660 V  • at 60 Hz	— at 60 Hz rated value	48 600 V
operating range relative to the operating voltage at AC	operating frequency rated value	50 60 Hz
● at 50 Hz 40 660 V ● at 60 Hz 40 660 V	relative symmetrical tolerance of the operating frequency	10 %
• at 60 Hz 40 660 V	operating range relative to the operating voltage at AC	
	● at 50 Hz	40 660 V
operational current	• at 60 Hz	40 660 V
	operational current	

• at AC-51 rated value	10.5 A		
<ul><li>at AC-51 according to IEC 60947-4-3</li></ul>	7 A		
according to UL 508 rated value	7 A		
operational current minimum	100 mA		
rate of voltage rise at the thyristor for main contacts maximum permissible	500 V/µs		
blocking voltage at the thyristor for main contacts maximum permissible	1 200 V		
reverse current of the thyristor	10 mA		
derating temperature	40 °C		
surge current resistance rated value	200 A		
I2t value maximum	200 A²-s		
Control circuit/ Control			
type of voltage of the control supply voltage	DC		
control supply voltage 1			
at DC rated value	30 V		
• at DC	4 30 V		
control supply voltage			
at DC initial value for signal <1> detection	4 V		
at DC full-scale value for signal <0> recognition	1V		
symmetrical line frequency tolerance	5 Hz		
control current at minimum control supply voltage			
• at DC	22 mA		
control current at DC rated value	30 mA		
ON-delay time	1 ms; additionally max. one half-wave		
Auxiliary circuit	This, additionally max. one hall wave		
	0		
number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts	0		
	0		
number of CO contacts for auxiliary contacts	0		
Installation/ mounting/ dimensions			
fastening method	screw fixing and snap-on mounting on standard mounting rail 35 mm according to IEC 60715		
side-by-side mounting  design of the thread of the screw for securing the	Yes M4		
equipment			
height	95 mm		
width	45 mm		
depth	96.5 mm		
Connections/ Terminals			
product component removable terminal for auxiliary and control circuit	Yes		
type of electrical connection			
for main current circuit	screw-type terminals		
for auxiliary and control circuit	screw-type terminals		
type of connectable conductor cross-sections			
• for main contacts			
— solid	2x (1.5 2.5 mm²), 2x (2.5 6 mm²)		
<ul> <li>finely stranded with core end processing</li> </ul>	2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm²		
for AWG cables for main contacts	2x (14 10)		
connectable conductor cross-section for main contacts			
solid or stranded	1.5 6 mm²		
finely stranded with core end processing	1 10 mm²		
type of connectable conductor cross-sections			
<ul> <li>for auxiliary and control contacts</li> </ul>			
— solid	1x (0.5 2.5 mm²), 2x (0.5 1.0 mm²)		
<ul> <li>finely stranded with core end processing</li> </ul>	1x (0.5 2.5 mm²), 2x (0.5 1.0 mm²)		
<ul> <li>finely stranded without core end processing</li> </ul>	1x (0.5 2.5 mm²), 2x (0.5 1.0 mm²)		
<ul> <li>for AWG cables for auxiliary and control contacts</li> </ul>	1x (AWG 20 12)		
AWG number as coded connectable conductor cross section for main contacts	14 10		
tightening torque			
<ul> <li>for main contacts with screw-type terminals</li> </ul>	2 2.5 N·m		

<ul> <li>for auxiliary and control contacts with screw-type terminals</li> </ul>	0.5 0.6 N·m				
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 terminals</li> </ul>	7.5 5.3 lbf·in				
design of the thread of the connection screw					
• for main contacts	M4				
<ul> <li>of the auxiliary and control contacts</li> </ul>	M3				
stripped length of the cable					
• for main contacts	7 mm	7 mm			
<ul> <li>for auxiliary and control contacts</li> </ul>	7 mm				
Safety related data					
protection class IP on the front according to IEC 60529	IP20				
touch protection on the front according to IEC 60529	finger-safe, for vertical contact	from the front			
Ambient conditions					
installation altitude at height above sea level maximum	1 000 m				
ambient temperature					
during operation	-25 +60 °C				
during storage	-55 +80 °C				
Electromagnetic compatibility					
conducted interference					
<ul> <li>due to burst according to IEC 61000-4-4</li> </ul>	2 kV / 5 kHz behavior criterion 2				
due to conductor-earth surge according to IEC 61000-4-5	2 kV behavior criterion 2				
<ul> <li>due to conductor-conductor surge according to IEC 61000-4-5</li> </ul>	1 kV behavior criterion 2				
<ul> <li>due to high-frequency radiation according to IEC 61000- 4-6</li> </ul>	140 dBuV in the frequency range 0.15 80 MHz, behavior criterion 1				
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>3NE1813-0</u>				
<ul> <li>of full range R fuse link for semiconductor protection at cylindrical design usable</li> </ul>	5SE1310; Maximum operating voltage 400 V!				
<ul> <li>of back-up R fuse link for semiconductor protection at NH design usable</li> </ul>	<u>3NE8015-1</u>				
<ul> <li>of back-up R fuse link for semiconductor protection at cylindrical design 10 x 38 mm usable</li> </ul>	<u>3NC1016</u>				
<ul> <li>of back-up R fuse link for semiconductor protection at cylindrical design 14 x 51 mm usable</li> </ul>	<u>3NC1420</u>				
<ul> <li>of back-up R fuse link for semiconductor protection at cylindrical design 22 x 58 mm usable</li> </ul>	3NC2220				
manufacturer's article number of the gG fuse at NH design usable					
• up to 460 V	3NA3801; These fuses have a smaller rated current than the semiconductor relays				
Certificates/ approvals					
General Product Approval		EMC	Declaration of Conformity		



Confirmation









Declaration of Conformity **Test Certificates** other





## Further information

Siemens has decided to exit the Russian market (see here).

https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

## 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=3RF2410-1AB45

Cax online generator

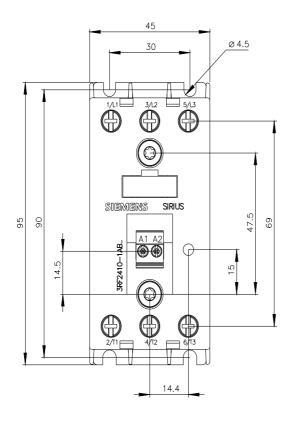
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RF2410-1AB45

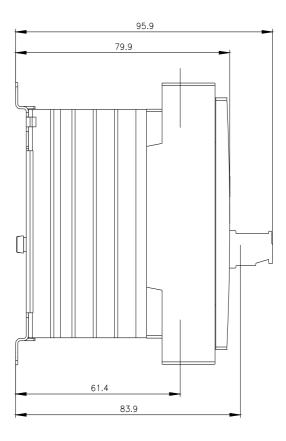
 $Service \& Support \ (Manuals, \ Certificates, \ Characteristics, \ FAQs, ...)$ 

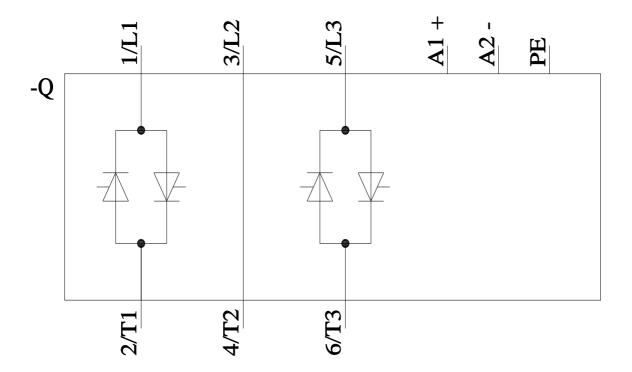
https://support.industry.siemens.com/cs/ww/en/ps/3RF2410-1AB45

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

http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RF2410-1AB45&lang=en







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