## **SIEMENS**

Data sheet 3RF2030-1AA24



Semiconductor relay, 1-phase 3RF2 Overall width 45 mm, 30 A 48-460 V / 110-230 V AC screw terminal

product brand name	SIRIUS
product designation	solid-state relay
design of the product	single-phase
product type designation	3RF20
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>	44.2 W
<ul> <li>at AC in hot operating state per pole</li> </ul>	44.2 W
<ul> <li>without load current share typical</li> </ul>	3.5 W
insulation voltage rated value	600 V
type of voltage of the control supply voltage	AC
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)	05/28/2009
Main circuit	
number of poles for main current circuit	1
number of NO contacts for main contacts	1
number of NC contacts for main contacts	0
operating voltage at AC	
at 50 Hz rated value	48 460 V
at 60 Hz rated value	48 460 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	40 506 V
● at 60 Hz	40 506 V
operational current	
• at AC-51 rated value	30 A
according to UL 508 rated value	30 A
ampacity maximum	30 A
operational current minimum	500 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	300 A

I2t value maximum	450 A <sup>2</sup> ·s
Control circuit/ Control	
type of voltage of the control supply voltage	AC
	AC
control supply voltage 1 at AC	440 220 V
• at 50 Hz	110 230 V
• at 60 Hz	110 230 V
control supply voltage frequency	
• 1 rated value	50 Hz
• 2 rated value	60 Hz
control supply voltage at AC	
<ul> <li>at 50 Hz full-scale value for signal&lt;0&gt; recognition</li> </ul>	40 V
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
symmetrical line frequency tolerance	5 Hz
control current at minimum control supply voltage	
• at AC	2 mA
control current at AC rated value	15 mA
ON-delay time	40 ms; additionally max. one half-wave
OFF-delay time	40 ms
Auxiliary circuit	
number of NC contacts for auxiliary contacts	0
number of NO contacts for auxiliary contacts	0
number of CO contacts for auxiliary contacts	0
Installation/ mounting/ dimensions	
fastening method	screw fixing
side-by-side mounting	Yes
design of the thread of the screw for securing the	M4
equipment	IVIT
tightening torque of fixing screw maximum	1.5 N·m
tightening torque [lbf-in] of fixing screw maximum	13 lbf-in
height	58 mm
width	45 mm
depth	48 mm
Connections/ Terminals	
type of electrical connection	
for main current circuit	screw-type terminals
for auxiliary and control circuit	screw-type terminals
	ociew type terrimais
type of connectable conductor cross-sections	
type of connectable conductor cross-sections  • for main contacts	2v (1.5 2.5 mm²) 2v (2.56 mm²)
type of connectable conductor cross-sections  • for main contacts  — solid	2x (1.5 2.5 mm²), 2x (2.5 6 mm²)
type of connectable conductor cross-sections  • for main contacts  — solid  — finely stranded with core end processing	2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm²
type of connectable conductor cross-sections  • for main contacts  — solid  — finely stranded with core end processing  • for AWG cables for main contacts	
type of connectable conductor cross-sections  • for main contacts  — solid  — finely stranded with core end processing  • for AWG cables for main contacts  connectable conductor cross-section for main contacts	2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm² 2x (14 10)
type of connectable conductor cross-sections  • for main contacts  — solid  — finely stranded with core end processing  • for AWG cables for main contacts  connectable conductor cross-section for main contacts  • solid or stranded	2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm² 2x (14 10)  1.5 6 mm²
type of connectable conductor cross-sections  • for main contacts  — solid  — finely stranded with core end processing  • for AWG cables for main contacts  connectable conductor cross-section for main contacts  • solid or stranded  • finely stranded with core end processing	2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm² 2x (14 10)
type of connectable conductor cross-sections  • for main contacts  — solid  — finely stranded with core end processing  • for AWG cables for main contacts  connectable conductor cross-section for main contacts  • solid or stranded  • finely stranded with core end processing  type of connectable conductor cross-sections	2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm² 2x (14 10)  1.5 6 mm²
type of connectable conductor cross-sections  • for main contacts  — solid  — finely stranded with core end processing  • for AWG cables for main contacts  connectable conductor cross-section for main contacts  • solid or stranded  • finely stranded with core end processing  type of connectable conductor cross-sections  • for auxiliary and control contacts	2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm² 2x (14 10)  1.5 6 mm² 1 10 mm²
type of connectable conductor cross-sections  • for main contacts  — solid  — finely stranded with core end processing  • for AWG cables for main contacts  connectable conductor cross-section for main contacts  • solid or stranded  • finely stranded with core end processing  type of connectable conductor cross-sections  • for auxiliary and control contacts  — solid	2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm² 2x (14 10)  1.5 6 mm² 1 10 mm²  1x (0.5 2.5 mm²), 2x (0.5 1.0 mm²)
type of connectable conductor cross-sections  • for main contacts  — solid  — finely stranded with core end processing  • for AWG cables for main contacts  connectable conductor cross-section for main contacts  • solid or stranded  • finely stranded with core end processing  type of connectable conductor cross-sections  • for auxiliary and control contacts	2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm² 2x (14 10)  1.5 6 mm² 1 10 mm²  1x (0.5 2.5 mm²), 2x (0.5 1.0 mm²) 1x (0.5 2.5 mm²), 2x (0.5 1.0 mm²)
type of connectable conductor cross-sections  • for main contacts  — solid  — finely stranded with core end processing  • for AWG cables for main contacts  connectable conductor cross-section for main contacts  • solid or stranded  • finely stranded with core end processing  type of connectable conductor cross-sections  • for auxiliary and control contacts  — solid	2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm² 2x (14 10)  1.5 6 mm² 1 10 mm²  1x (0.5 2.5 mm²), 2x (0.5 1.0 mm²)
type of connectable conductor cross-sections  • for main contacts  — solid  — finely stranded with core end processing  • for AWG cables for main contacts  connectable conductor cross-section for main contacts  • solid or stranded  • finely stranded with core end processing  type of connectable conductor cross-sections  • for auxiliary and control contacts  — solid  — finely stranded with core end processing	2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm² 2x (14 10)  1.5 6 mm² 1 10 mm²  1x (0.5 2.5 mm²), 2x (0.5 1.0 mm²) 1x (0.5 2.5 mm²), 2x (0.5 1.0 mm²)
type of connectable conductor cross-sections  • for main contacts  — solid  — finely stranded with core end processing  • for AWG cables for main contacts  connectable conductor cross-section for main contacts  • solid or stranded  • finely stranded with core end processing  type of connectable conductor cross-sections  • for auxiliary and control contacts  — solid  — finely stranded with core end processing  — finely stranded without core end processing	2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm² 2x (14 10)  1.5 6 mm² 1 10 mm²  1x (0.5 2.5 mm²), 2x (0.5 1.0 mm²) 1x (0.5 2.5 mm²), 2x (0.5 1.0 mm²) 1x (0.5 2.5 mm²), 2x (0.5 1.0 mm²)
type of connectable conductor cross-sections  • for main contacts  — solid  — finely stranded with core end processing  • for AWG cables for main contacts  connectable conductor cross-section for main contacts  • solid or stranded  • finely stranded with core end processing  type of connectable conductor cross-sections  • for auxiliary and control contacts  — solid  — finely stranded with core end processing  — finely stranded without core end processing  • for AWG cables for auxiliary and control contacts  AWG number as coded connectable conductor cross section for	2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm² 2x (14 10)  1.5 6 mm² 1 10 mm²  1x (0.5 2.5 mm²), 2x (0.5 1.0 mm²)
type of connectable conductor cross-sections  • for main contacts  — solid  — finely stranded with core end processing  • for AWG cables for main contacts  connectable conductor cross-section for main contacts  • solid or stranded  • finely stranded with core end processing  type of connectable conductor cross-sections  • for auxiliary and control contacts  — solid  — finely stranded with core end processing  — finely stranded without core end processing  • for AWG cables for auxiliary and control contacts  AWG number as coded connectable conductor cross section for main contacts	2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm² 2x (14 10)  1.5 6 mm² 1 10 mm²  1x (0.5 2.5 mm²), 2x (0.5 1.0 mm²)
type of connectable conductor cross-sections  • for main contacts  — solid  — finely stranded with core end processing  • for AWG cables for main contacts  connectable conductor cross-section for main contacts  • solid or stranded  • finely stranded with core end processing  type of connectable conductor cross-sections  • for auxiliary and control contacts  — solid  — finely stranded with core end processing  — finely stranded without core end processing  • for AWG cables for auxiliary and control contacts  AWG number as coded connectable conductor cross section for main contacts  tightening torque	2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm² 2x (14 10)  1.5 6 mm² 1 10 mm²  1x (0.5 2.5 mm²), 2x (0.5 1.0 mm²) 1x (AWG 20 12) 14 10
type of connectable conductor cross-sections  • for main contacts  — solid  — finely stranded with core end processing  • for AWG cables for main contacts  connectable conductor cross-section for main contacts  • solid or stranded  • finely stranded with core end processing  type of connectable conductor cross-sections  • for auxiliary and control contacts  — solid  — finely stranded with core end processing  — finely stranded without core end processing  • for AWG cables for auxiliary and control contacts  AWG number as coded connectable conductor cross section for main contacts  tightening torque  • for main contacts with screw-type terminals	2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm² 2x (14 10)  1.5 6 mm² 1 10 mm²  1x (0.5 2.5 mm²), 2x (0.5 1.0 mm²) 1x (AWG 20 12) 14 10
type of connectable conductor cross-sections  • for main contacts  — solid  — finely stranded with core end processing  • for AWG cables for main contacts  connectable conductor cross-section for main contacts  • solid or stranded  • finely stranded with core end processing  type of connectable conductor cross-sections  • for auxiliary and control contacts  — solid  — finely stranded with core end processing  — finely stranded without core end processing  • for AWG cables for auxiliary and control contacts  AWG number as coded connectable conductor cross section for main contacts  tightening torque  • for main contacts with screw-type terminals  • for auxiliary and control contacts with screw-type	2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm² 2x (14 10)  1.5 6 mm² 1 10 mm²  1x (0.5 2.5 mm²), 2x (0.5 1.0 mm²) 1x (AWG 20 12) 14 10
type of connectable conductor cross-sections  • for main contacts  — solid  — finely stranded with core end processing  • for AWG cables for main contacts  connectable conductor cross-section for main contacts  • solid or stranded  • finely stranded with core end processing  type of connectable conductor cross-sections  • for auxiliary and control contacts  — solid  — finely stranded with core end processing  — finely stranded without core end processing  • for AWG cables for auxiliary and control contacts  AWG number as coded 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	2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm² 2x (14 10)  1.5 6 mm² 1 10 mm²  1x (0.5 2.5 mm²), 2x (0.5 1.0 mm²) 1x (AWG 20 12) 14 10
type of connectable conductor cross-sections  • for main contacts  — solid  — finely stranded with core end processing  • for AWG cables for main contacts  connectable conductor cross-section for main contacts  • solid or stranded  • finely stranded with core end processing  type of connectable conductor cross-sections  • for auxiliary and control contacts  — solid  — finely stranded with core end processing  — finely stranded without core end processing  — finely stranded without core end processing  • for AWG cables for auxiliary and control contacts  AWG number as coded 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  tightening torque [lbf-in]	2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm² 2x (14 10)  1.5 6 mm² 1 10 mm²  1x (0.5 2.5 mm²), 2x (0.5 1.0 mm²) 1x (AWG 20 12)  14 10

protection class IP on the front according to IEC 60529 finger-safe, for vertical contact from the front  Installation altitude at height above sea level maximum ambient temperature  • during operation • during storage	design of the thread of the connection screw	
ef main contacts for availary and control contacts for main contacts for availary and control contacts for main contacts for writing and control contacts for main contacts fo	for main contacts	M4
• for main contacts • for auxiliary and control contracts • for auxiliary and control control contacts • for auxiliary and control contacts • for auxiliary and control contacts • for auxiliary and control contacts  protection class IP on the front according to IEC 80529  installation altitude at height above sea level maximum  ambient temperature • during operation • during operation • during operation • during storage  accromagnotic 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 bounductor-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 61000-4-5 • due to high-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 61000-4-5 • 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 • du	of the auxiliary and control contacts	M3
• for auxiliary and control contacts  ### Stety related data   Protection class IP on the front according to IEC 60529   IP20	stripped length of the cable	
protection class IP on the front according to IEC 60529 Implemental Conditions Installation altitude at height above sea level maximum ambient temperature  • during operation • during operation • during storage Intermental Compatibility Conducted Interference • due to burst according to IEC 61000-4-4 • due to conductor-central surge 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 conductor-conductor surge according to IEC 61000-4-5 • due to industrial environment of Interference  • due to substitute of Interference • due to industrial environment of Interference • due to conductor-conductor surge according to IEC 61000-4-5 • due to conductor-conductor surge according to IEC 61000-4-5 • due to industrial environment of Interference according to IEC 61000-4-3 • due to industrial environment of Interference according to IEC 61000-4-3 • due to high-frequency radiation according to IEC 61000-4-3 • due to high-frequence emissions according to IEC 61000-4-3 • due to high-frequence emission according to IEC 61000-4-3 • due to high-frequence emission according to IEC 61000-4-3 • due to high-frequence emission according to IEC 61000-4-3 • due to high-frequence emission according to IEC 61000-4-3 • due to high-frequence emission according to IEC 61000-4-3 • due to high-frequence emission according to IEC 61000-4-3 • due to high-frequence emission according to IEC 61000-4-3 • due to high-frequence emission according to IEC 61000-4-3 • due to high-frequence emission according to IEC 61000-4-3 • due to high-frequence emission according to IEC 61000-4-3 • due to high-frequence emission according to IEC 61000-4-3 • due to high-frequence emission according to IEC 61000-4-3 • due to high-frequence emission according to IEC 61000-4-3 • due to high-frequence emission according to IEC 61000-4-3 • due to high-frequence emission according to IEC 61000-4-3 • due to high-frequence emission according to IEC 61000-4-3 • due to	for main contacts	10 mm
protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 insight conditions installation altitude at height above sea level maximum ambient temperature • during operation • during storage • during storage • during storage • due to burst according to IEC 61000-4-5 • due to conductor-earth surge according to IEC 61000-4-5 • due to conductor-orductor surge according to IEC 61000-4-5 • due to conductor-orductor surge according to IEC 61000-4-5 • due to indip-frequency radiation according to IEC 61000-4-5 • due to indip-frequency radiation according to IEC 61000-4-5 • due to indip-frequency radiation according to IEC 61000-4-5 • due to indip-frequency radiation according to IEC 61000-4-5 • due to indip-frequency radiation according to IEC 61000-4-5 • due to indip-frequency radiation according to IEC 61000-4-5 • due to indip-frequency radiation according to IEC 61000-4-3 • due to indip-frequency radiation according to IEC 61000-4-3 • due to indip-frequency radiation according to IEC 61000-4-3 • due to indip-frequency radiation according to IEC 61000-4-3 • due to indip-frequency radiation according to IEC 61000-4-3 • due to indip-frequency radiation according to IEC 61000-4-2 conducted HF Interference emissions according to CISPR11 Class A for industrial environment CISPR11 Class B for the domestic, business and commercial environments inter-facult protection, design of the fuse link manufacturer's article number • of pack-up R fuse link for semiconductor protection at cylindrical design usable • of back-up R fuse link for semiconductor protection at cylindrical design in x 3 mm usable • of back-up R fuse link for semiconductor protection at cylindrical design as the fuse semic	<ul> <li>for auxiliary and control contacts</li> </ul>	7 mm
Interest on the front according to IEC 60529 Interest on the front according to IEC 60529 Installation altitude at height above sea level maximum Installation altitude at height above sea level maxi	Safety related data	
Installation altitude at height above sea level maximum  1 000 m  ambient temperature  • during operation • during storage  2 to +60 °C  -55 +80 °C  dectromagnotic 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 bigh-frequency radiation according to IEC 61000-4-5  • due to bigh-frequency radiation according to IEC 61000-4-5  • due to bigh-frequency radiation 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  • of Sub-frequency radiation according to IEC 61000-4-5  • of gradiation according to IEC 61000-4-5  • of gradiation according to IEC 61000-4-5  • of gradiation according to IEC 61000-4-5  • of back-up R fuse link for semiconductor protection at	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  • during storage  • due to graph temperature  • during storage  • due to burst according to IEC 81000-4-5  • due to conducted Interference  • due to burst according to IEC 81000-4-5  • 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 61000-4-5  • due to high-frequency radiation according to IEC 61000-4-3  • due to high-frequency radiation according to IEC 61000-4-3  • fleld-based interference 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 61000-4-3  • fleld-based interference emissions according to IEC 61000-4-2  • conducted HF interference emission according to IEC 81000-4-2  • ColspR11  fleld-bound HF interference emission according to CISPR11  Class A for industrial environment  Class B for the domestic, business and commercial environments  **Mort-circuit protection, design of the fuse link  manufacturer's article number  • of gS fuse for semiconductor protection at NH design usable  • of hack-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  • 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  • 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 cylind	touch protection on the front according to IEC 60529	finger-safe, for vertical contact from the front
ambient temperature  • during operation • during storage  • due to puring storage  • due to burst according to IEC 61000-4-4 • due to conductor-earth surge according to IEC 61000-4-5 • due to conductor-earth surge according to IEC 61000-4-5 • due to conductor-conductor surge according to IEC 61000-4-5 • due to binjbf-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 61000-4-6 • due to high-frequency radiation according to IEC 61000-4-1 • due to high-frequency radiation according to IEC 61000-4-1 • due to high-frequency radiation according to IEC 61000-4-2 • due to high-frequency radiation according to IEC 61000-4-3 • due to high-frequency radiation	Ambient conditions	
olduring operation     olduring storage     idectromagnetic compatibility  conducted interference     oldue to burst according to IEC 61000-4-5     oldue to conductor-earth surge according to IEC 61000-4-5     oldue to conductor-earth surge according to IEC 61000-4-5     oldue to to conductor-conductor surge according to IEC 61000-4-5     oldue to thigh-frequency radiation according to IEC 61000-4-6     oldue to high-frequency radiation according to IEC 61000-4-3     oldue to	installation altitude at height above sea level maximum	1 000 m
• during storage     • during storage     • due to conducted interference     • due to burst according to IEC 61000-4-5     • 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 61000-4-6     • 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 reflection 1     • dividence according to IEC 61000-4-3     • due to high-frequency radiation reflection 1     • due to high-frequency radiation according to IEC 61000-4-3     • due to high-frequency radiation reflection at to IEC 61000-4-3     • due to IEC 61000-4-3	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-earth 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  fiold-based interference according to IEC 61000-4-3 • due to high-frequency radiation according to IEC 61000-4-3 • due to IEC 61000-4-3 • due to IEC 61000-4-3 • due to IEC 61000-4-2 • due to IEC 61000-4-3 • due to IE	during operation	-25 +60 °C
e due to burst according to IEC 61000-4-4  • due to burst according to IEC 61000-4-5  • due to burst according to IEC 61000-4-5  • due to burst according to IEC 61000-4-5  • due to bust according to IEC 61000-4-5  • due to bust 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 61000-4-7  • 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 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 IEC 61000-4-2  • 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  • of Sa Kus for Industrial environment  • of gS fuse 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 14 x 51 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 cylindrical design 14 x 51 mm usable  • at cylindrical design 12 x 58 mm usable  • at cylindrical design 14 x 5	during storage	-55 +80 °C
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of due to high-frequency radiation according to IEC 61000-4-6     of due to high-frequency radiation according to IEC 61000-4-3     electrostatic discharge according to IEC 61000-4-2     conducted HF interference emissions 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 emissions according to CISPR11  field-bound HF interference emission according to CISPR11  field-bou	• due to conductor-earth surge according to IEC 61000-4-5	2 kV behavior criterion 2
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	• of DIAZED fuse usable	
	Certificates/ approvals	

General Product Approval EMC Declaration of Conformity



Confirmation



EAC





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=3RF2030-1AA24

Cax online generator

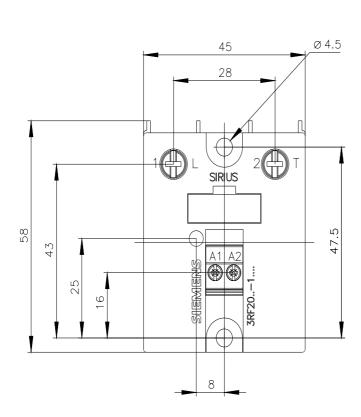
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RF2030-1AA24

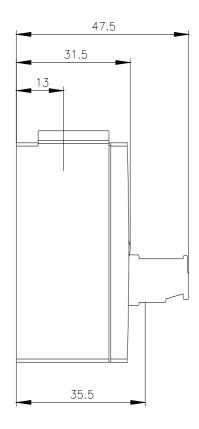
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

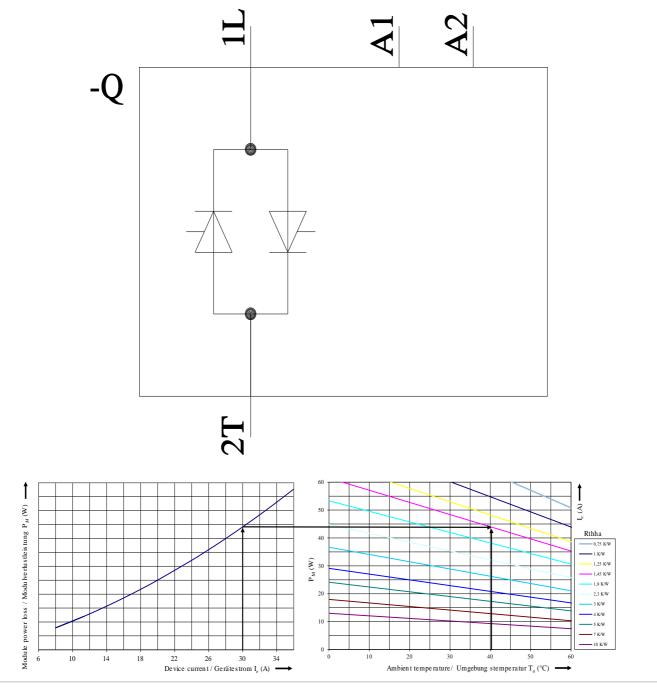
https://support.industry.siemens.com/cs/ww/en/ps/3RF2030-1AA24

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

http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RF2030-1AA24&lang=en







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