## **SIEMENS**

## **Data sheet**

## 3RF2950-0KA16-0KT0



power controller current range 50 A / 40  $^{\circ}$  C 400  $\dots$  600 V 24 V AC/DC without partial load monitoring for semiconductor relay / contactor

product designation manufacturer's article number	product brand name	SIRIUS
• _1 of the accessories that can be ordered • _2 of the accessories that can be ordered product designation • _1 of the accessories that can be ordered • _2 of the accessories that can be ordered • _2 of the accessories that can be ordered input reactor / 1AC  General technical data product function  power loss [W] for rated value of the current without load current share typical insulation voltage rated value  degree of pollution  surge voltage resistance of main circuit rated value 2.5 kV  shock resistance according to IEC 60068-2-27  design of the switching function  voltaging of the switching function  reference code according to IEC 81346-2  K Substance Prohibitance (Date)  Main circuit number of Poles for main current circuit number of NC contacts for main contacts type of voltage operating voltage at AC • at 50 Hz rated value • at 60 Hz rated value • at 60 Hz rated value • at 60 Hz	product designation	power controller
e2 of the accessories that can be ordered product designation e_1 of the accessories that can be ordered e_2 of the accessories that can be ordered sealable end cover input reactor / 1AC  Ceneral technical data product function power loss [W] for rated value of the current without load current share typical insulation voltage rated value degree of pollution surge voltage resistance of main circuit rated value shock resistance according to IEC 60068-2-72 design of the switching function veference code according to IEC 60068-2-8 gubstance Prohibitance (Date)  Main circuit number of Poles for main current circuit number of NC contacts for main contacts type of voltage operating voltage at AC e at 50 Hz rated value e at 60 Hz e a	manufacturer's article number	
product designation  • _1 of the accessories that can be ordered  • _2 of the accessories that can be ordered  • _2 of the accessories that can be ordered  input reactor / 1AC  General technical data  product function  power loss [W] for rated value of the current without load current share typical insulation voltage rated value  degree of pollution  surge voltage resistance of main circuit rated value  shock resistance according to IEC 60068-2-27 vibration resistance according to IEC 60068-2-6  design of the switching function  reference code according to IEC 81346-2  K Substance Prohibitance (Date)  Main circuit  number of NO contacts for main current circuit  number of NO contacts for main contacts  upperating voltage at AC  • at 50 Hz rated value  • at 60 Hz rated value  • at 60 Hz  • at 50 Hz  • at 50 Hz  • at 60 Hz	<ul><li>_1 of the accessories that can be ordered</li></ul>	3RF2900-0RA88
• _1 of the accessories that can be ordered  • _2 of the accessories that can be ordered  • _2 of the accessories that can be ordered  input reactor / 1AC  General technical data  product function  power loss [W] for rated value of the current without load current share typical  insulation voltage rated value  degree of pollution  surge voltage resistance of main circuit rated value  shock resistance according to IEC 60068-2-70  design of the switching function  reference code according to IEC 81346-2  Ksubstance Prohibitance (Date)  Main circuit  number of poles for main current circuit  number of NC contacts for main contacts  number of NC contacts for main contacts  number of NC contacts for main contacts  operating voltage at AC  • at 50 Hz rated value  relative symmetrical tolerance of the operating frequency  operating range relative to the operating frequency  operating range relative to the operating voltage at AC  • at 50 Hz  • at 60 Hz  • at AC-51 rated value	<ul><li>_2 of the accessories that can be ordered</li></ul>	<u>4EU2452-3UA00-0AA0</u>
• _2 of the accessories that can be ordered  General technical data  product function	product designation	
product function solid-state relay / solid-state contactor 3RF2  1 W  1 W  1 W  1 Surge voltage rated value  600 V  degree of pollution 3  surge voltage resistance of main circuit rated value  2.5 kV  shock resistance according to IEC 60068-2-27 15g / 11 ms  vibration resistance according to IEC 60068-2-6 2g  design of the switching function NC contact  reference code according to IEC 81346-2 K  Substance Prohibitance (Date) 05/01/2012  Main circuit  number of NO contacts for main contacts 0  number of NO contacts for main contacts 0  type of voltage AC/DC  operating voltage at AC  at 50 Hz rated value 400 600 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 AC-51 rated value 50 A  derating temperature 40 °C  Control circuit/ Control	<ul><li>_1 of the accessories that can be ordered</li></ul>	sealable end cover
product function power loss [W] for rated value of the current without load current share typical insulation voltage rated value degree of pollution surge voltage resistance of main circuit rated value 2.5 kV shock resistance according to IEC 60068-2-27 tibration resistance according to IEC 60068-2-6 design of the switching function NC contact reference code according to IEC 80068-2-6 Ksubstance 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 number of NC contacts for main contacts number of ND contacts for main contacts 0 coperating voltage at AC at 50 Hz rated value 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 operational current  at AC-51 rated value 50 660 V coperational current at AC-51 rated value 50 A derating temperature 40 °C Control circuit/ Control	<ul><li>_2 of the accessories that can be ordered</li></ul>	input reactor / 1AC
power loss [W] for rated value of the current without load current share typical insulation voltage rated value 600 V  degree of pollution 3 surge voltage resistance of main circuit rated value 2.5 kV  shock resistance according to IEC 60068-2-27 15g / 11 ms  vibration resistance according to IEC 60068-2-6 2g  design of the switching function NC contact reference code according to IEC 81346-2 K  Substance Prohibitance (Date) 05/01/2012  Main circuit  number of poles for main current circuit 0 number of NO contacts for main contacts 0 number of NC contacts for main contacts 10 number of NC contacts for main contacts 0 contacts of type of voltage AC/DC  operating voltage at AC 400 600 V  • at 50 Hz rated value 400 600 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 340 660 V  • at 60 Hz  operational current 0 340 660 V  operational current 0 340 660 V  operating temperature 40 °C  Control circuit/ Control	General technical data	
insulation voltage rated value 600 V degree of pollution 3 surge voltage resistance of main circuit rated value 2.5 kV shock resistance according to IEC 60068-2-27 15g / 11 ms vibration resistance according to IEC 60068-2-6 2g design of the switching function NC contact reference code according to IEC 81346-2 K Substance Prohibitance (Date) 05/01/2012  Main circuit number of poles for main current circuit 0 number of NO contacts for main contacts 0 number of NC contacts for main contacts 10 type of voltage AC/DC operating voltage at AC • at 50 Hz rated value 400 600 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 • at 60 Hz • at AC-51 rated value 50 A derating temperature 40 °C Control circuit/ Control	product function	solid-state relay / solid-state contactor 3RF2
degree of pollution  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  design of the switching function  reference code according to IEC 81346-2  K  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  otype of voltage  operating voltage at AC  oe at 50 Hz rated value  operating frequency rated value  relative symmetrical tolerance of the operating frequency  operating range relative to the operating voltage at AC  oe at 50 Hz  operational current  oe at AC-51 rated value  ot AC-Control circuit/ Control		1 W
surge voltage resistance of main circuit rated value  shock resistance according to IEC 60068-2-27  vibration resistance according to IEC 60068-2-6  design of the switching function  NC contact  reference code according to IEC 81346-2  K 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  operating voltage at AC  at 50 Hz rated value  operating frequency rated value  relative symmetrical tolerance of the operating frequency  operating range relative to the operating voltage at AC  at 60 Hz  at 60 Hz  at 60 Hz  at 60 Hz  operational current  at 60 Hz  operational current  at AC-51 rated value  at AC-51 rated value  occupational current  at AC-51 rated value  control circuit/ Control	insulation voltage rated value	600 V
shock resistance according to IEC 60068-2-27  vibration resistance according to IEC 60068-2-6  2g  design of the switching function  reference code according to IEC 81346-2  K Substance Prohibitance (Date)  Main circuit  number of poles for main current circuit  number of NC contacts for main contacts  number of NC contacts for main contacts  type of voltage  operating voltage at AC  at 50 Hz rated value  operating frequency rated value  relative symmetrical tolerance of the operating frequency  operating range relative to the operating voltage at AC  at 60 Hz  operating tange relative to the operating voltage at AC  at 60 Hz  at 60 Hz  at 60 Hz  at 60 Hz  operational current  at 60 Hz  operational current  at AC-51 rated value  50 A  derating temperature  Control circuit/ Control	degree of pollution	3
vibration resistance according to IEC 60068-2-6  design of the switching function  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  number of NC contacts for main contacts  type of 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  substance Prohibitance (Date)  NC contact  AC/DC  Other of NO contacts for main current circuit  at 60 Hz  operating voltage  frequency  operating frequency rated value  at 50 Hz  at 60 Hz  operating range relative to the operating voltage at AC  at 50 Hz  at 60 Hz  operating range relative to the operating voltage at AC  at 50 Hz  at 60 Hz  operating range relative to the operating voltage at AC  at 50 Hz  at 60 Hz  operational current  at AC-51 rated value  operational current  at AC-51 rated value  operating temperature  Control circuit/ Control	surge voltage resistance of main circuit rated value	2.5 kV
design of the switching function NC contact reference code according to IEC 81346-2 K Substance Prohibitance (Date) 05/01/2012  Main circuit number of poles for main current circuit 0 number of NO contacts for main contacts 0 number of NC contacts for main contacts 0 type of voltage AC/DC operating voltage at AC • at 50 Hz rated value 400 600 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 340 660 V operating range relative to the operating voltage at AC • at 50 Hz 340 660 V operating range relative to the operating voltage at AC • at 60 Hz 340 660 V operational current • at AC-51 rated value 50 A derating temperature 40 °C Control circuit/ Control	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  number of NC contacts for main contacts  type of 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  operating range relative to the operating voltage at AC  • at 50 Hz  • at 60 Hz  operating range relative to the operating voltage at AC  • at 50 Hz  • at 60 Hz  operating range relative to the operating voltage at AC  • at 50 Hz  • at 60 Hz  Operating alone voltage at AC  • at 50 Hz  • at AC-51 rated value	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  number of NC contacts for main contacts  type of voltage  AC/DC  operating voltage 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  • at 50 Hz  • at 60 Hz  340 660 V  operating large relative to the operating voltage at AC  • at 50 Hz  • at 60 Hz  operating large relative to the operating voltage at AC  • at 50 Hz  • at AC-51 rated value  40 °C  Control circuit/ Control	design of the switching function	NC contact
Main circuit       number of poles for main current circuit     0       number of NC contacts for main contacts     0       type of voltage     AC/DC       operating voltage at AC     400 600 V       • at 50 Hz rated value     400 600 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     340 660 V       • at 50 Hz     340 660 V       operational current     50 A       eat AC-51 rated value     50 A       derating temperature     40 °C       Control circuit/ Control	reference code according to IEC 81346-2	K
number of poles for main current circuit  number of NO contacts for main contacts  number of NC contacts for main contacts  type of voltage  operating voltage 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  • at 50 Hz • at 60 Hz  340 660 V  operational current • at AC-51 rated value  50 A  derating temperature  0  0  AC/DC  0  0  0  0  0  0  0  0  0  0  0  0  0	Substance Prohibitance (Date)	05/01/2012
number of NO contacts for main contacts  number of NC contacts for main contacts  type of voltage  operating voltage at AC  • at 50 Hz rated value  • at 60 Hz rated value  operating frequency rated value  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  operational current  • at AC-51 rated value  for AC-50 rated value  50 A  derating temperature  40 °C  Control circuit/ Control	Main circuit	
number of NC contacts for main contacts  type of voltage  AC/DC  operating voltage 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  • at 50 Hz  • at 60 Hz  • at 60 Hz  operational current  • at AC-51 rated value  50 60 V  340 660 V  operational current  • at AC-51 rated value  50 A  derating temperature  40 °C  Control circuit/ Control	number of poles for main current circuit	0
type of voltage operating voltage at AC  • at 50 Hz rated value • at 60 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  • at 50 Hz • at 60 Hz  operational current • at AC-51 rated value  control circuit/ Control	number of NO contacts for main contacts	0
operating voltage at AC  • at 50 Hz rated value  • at 60 Hz rated value  • at 60 Hz rated value  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  operational current  • at AC-51 rated value  control circuit/ Control	number of NC contacts for main contacts	0
<ul> <li>at 50 Hz rated value</li> <li>at 60 Hz rated value</li> <li>400 600 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>at 60 V</li> <li>operational current</li> <li>at AC-51 rated value</li> <li>derating temperature</li> <li>Control circuit/ Control</li> </ul>	type of voltage	AC/DC
<ul> <li>at 60 Hz rated value</li> <li>operating frequency rated value</li> <li>felative 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>at 60 Hz</li> <li>operational current</li> <li>at AC-51 rated value</li> <li>derating temperature</li> <li>Control circuit/ Control</li> </ul>	operating voltage 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  operational current  • at AC-51 rated value  derating temperature  Control circuit/ Control	<ul> <li>at 50 Hz rated value</li> </ul>	400 600 V
relative symmetrical tolerance of the operating frequency  operating range relative to the operating voltage at AC  • at 50 Hz  • at 60 Hz  operational current  • at AC-51 rated value  derating temperature  Control circuit/ Control	● at 60 Hz rated value	400 600 V
operating range relative to the operating voltage at AC  • at 50 Hz  • at 60 Hz  • at 60 Hz  operational current  • at AC-51 rated value  derating temperature  Control circuit/ Control	operating frequency rated value	50 60 Hz
		10 %
at 60 Hz  operational current  at AC-51 rated value  derating temperature  Control circuit/ Control  340 660 V  50 A  40 °C	operating range relative to the operating voltage at AC	
operational current	● at 50 Hz	340 660 V
• at AC-51 rated value 50 A  derating temperature 40 °C  Control circuit/ Control	● at 60 Hz	340 660 V
derating temperature 40 °C  Control circuit/ Control	operational current	
Control circuit/ Control	at AC-51 rated value	50 A
		40 °C
type of voltage AC/DC	Control circuit/ Control	
	type of voltage	AC/DC

control supply voltage at AC	
<ul> <li>at 50 Hz rated value</li> </ul>	20.5 26.5 V
at 60 Hz rated value	20.5 26.5 V
control supply voltage 1 at AC	
<ul> <li>at 50 Hz rated value</li> </ul>	24 V
at 60 Hz rated value	24 V
control supply voltage at DC rated value	18 30 V
control supply voltage 1	
at DC rated value	24 V
• at DC	24 V
control supply voltage at AC	
<ul> <li>at 50 Hz full-scale value for signal&lt;0&gt; recognition</li> </ul>	5 V
<ul> <li>at 60 Hz full-scale value for signal&lt;0&gt; recognition</li> </ul>	5 V
control supply voltage at DC full-scale value for signal<0>	5 V
recognition	
supply voltage frequency for auxiliary and control	50 60 Hz
circuit rated value	511
symmetrical line frequency tolerance	5 Hz
control current at minimum control supply voltage	0 4
• at AC	2 mA
• at DC	2 mA
control current at AC rated value	40 mA
control current at DC rated value	40 mA
Auxiliary circuit	
number of NC contacts for auxiliary contacts	1
number of NO contacts for auxiliary contacts	1
number of CO contacts for auxiliary contacts	0
Installation/ mounting/ dimensions	
fastening method	clip-on
<ul><li>side-by-side mounting</li></ul>	Yes
height	111.5 mm
width	45 mm
Width	
depth	69.5 mm
	69.5 mm
depth	69.5 mm
depth Connections/ Terminals	69.5 mm screw-type terminals
depth Connections/ Terminals type of electrical connection	
depth Connections/ Terminals type of electrical connection • for auxiliary and control circuit	
depth  Connections/ Terminals  type of electrical connection  • for auxiliary and control circuit  type of connectable conductor cross-sections  • for auxiliary and control contacts	screw-type terminals
depth  Connections/ Terminals  type of electrical connection  • for auxiliary and control circuit  type of connectable conductor cross-sections  • for auxiliary and control contacts  — solid	screw-type terminals  1x (0.5 2.5 mm²), 2x (0.5 1.0 mm²)
depth  Connections/ Terminals  type of electrical connection  • for auxiliary and control circuit  type of connectable conductor cross-sections  • for auxiliary and control contacts  — solid  — finely stranded with core end processing	screw-type terminals  1x (0.5 2.5 mm²), 2x (0.5 1.0 mm²) 1x (0.5 2.5 mm²), 2x (0.5 1.0 mm²)
depth  Connections/ Terminals  type of electrical connection  • for auxiliary and control circuit  type of connectable conductor cross-sections  • for auxiliary and control contacts  — solid  — finely stranded with core end processing  — finely stranded without core end processing	screw-type terminals  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)
depth  Connections/ Terminals  type of electrical connection  • for auxiliary and control circuit  type of connectable conductor cross-sections  • for auxiliary and control contacts  — solid  — finely stranded with core end processing  — finely stranded without core end processing  • at AWG cables for auxiliary and control contacts	screw-type terminals  1x (0.5 2.5 mm²), 2x (0.5 1.0 mm²)
depth  Connections/ Terminals  type of electrical connection  • for auxiliary and control circuit  type of connectable conductor cross-sections  • for auxiliary and control contacts  — solid  — finely stranded with core end processing  — finely stranded without core end processing	screw-type terminals  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)
depth  Connections/ Terminals  type of electrical connection  • for auxiliary and control circuit  type of connectable conductor cross-sections  • for auxiliary and control contacts  — solid  — finely stranded with core end processing  — finely stranded without core end processing  • at AWG cables for auxiliary and control contacts  tightening torque for auxiliary and control contacts with	screw-type terminals  1x (0.5 2.5 mm²), 2x (0.5 1.0 mm²)
depth  Connections/ Terminals  type of electrical connection  • for auxiliary and control circuit  type of connectable conductor cross-sections  • for auxiliary and control contacts  — solid  — finely stranded with core end processing  — finely stranded without core end processing  • at AWG cables for auxiliary and control contacts  tightening torque for auxiliary and control contacts with screw-type terminals  tightening torque [lbf·in] for auxiliary and control contacts	screw-type terminals  1x (0.5 2.5 mm²), 2x (0.5 1.0 mm²) 1x (AWG 20 12) 0.5 0.6 N·m
depth  Connections/ Terminals  type of electrical connection	screw-type terminals  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) 1x (AWG 20 12) 0.5 0.6 N·m  4.5 5.3 lbf·in
depth  Connections/ Terminals  type of electrical connection	screw-type terminals  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) 1x (AWG 20 12) 0.5 0.6 N·m  4.5 5.3 lbf·in
depth  Connections/ Terminals  type of electrical connection	screw-type terminals  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) 1x (AWG 20 12) 0.5 0.6 N·m  4.5 5.3 lbf·in
depth  Connections/ Terminals  type of electrical connection	screw-type terminals  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) 1x (AWG 20 12) 0.5 0.6 N·m  4.5 5.3 lbf·in  M3  7 mm
depth  Connections/ Terminals  type of electrical connection	screw-type terminals  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) 1x (AWG 20 12) 0.5 0.6 N·m  4.5 5.3 lbf·in  M3 7 mm
depth  Connections/ Terminals  type of electrical connection	screw-type terminals  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) 1x (AWG 20 12) 0.5 0.6 N·m  4.5 5.3 lbf·in  M3 7 mm  IP20  finger-safe, for vertical contact from the front
depth  Connections/ Terminals  type of electrical connection	screw-type terminals  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) 1x (AWG 20 12) 0.5 0.6 N·m  4.5 5.3 lbf·in  M3 7 mm
type of electrical connection	screw-type terminals  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) 1x (AWG 20 12) 0.5 0.6 N·m  4.5 5.3 lbf·in  M3  7 mm  IP20  finger-safe, for vertical contact from the front
type of electrical connection	screw-type terminals  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) 1x (AWG 20 12) 0.5 0.6 N·m  4.5 5.3 lbf·in  M3 7 mm  IP20  finger-safe, for vertical contact from the front  1 000 m  -25 +60 °C
type of electrical connection	screw-type terminals  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) 1x (AWG 20 12) 0.5 0.6 N·m  4.5 5.3 lbf·in  M3  7 mm  IP20  finger-safe, for vertical contact from the front
type of electrical connection	screw-type terminals  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) 1x (AWG 20 12) 0.5 0.6 N·m  4.5 5.3 lbf·in  M3 7 mm  IP20  finger-safe, for vertical contact from the front  1 000 m  -25 +60 °C

<ul> <li>due to burst according to IEC 61000-4-4</li> <li>due to conductor-earth surge according to IEC 61000-4-5</li> </ul>	2 kV / 5 kHz behavior criterion 2 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 B for the domestic, business and commercial environments

Certificates/ approvals

**General Product Approval** 

**EMC** 

Declaration of Conformity



Confirmation









**Test Certificates** 

other

Type Test Certificates/Test Report Confirmation

## Further information

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=3RF2950-0KA16-0KT0

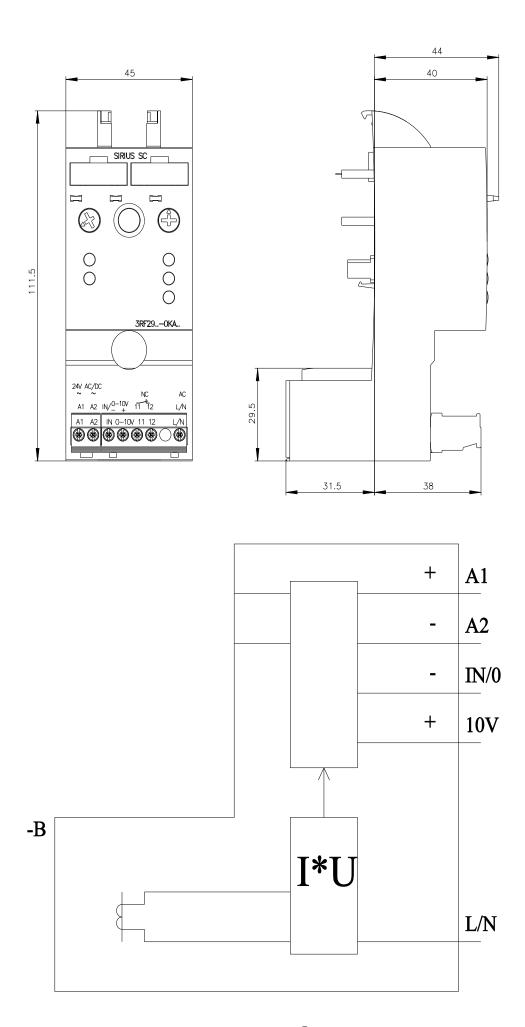
Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RF2950-0KA16-0KT0

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

https://support.industry.siemens.com/cs/ww/en/ps/3RF2950-0KA16-0KT0

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) <a href="http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RF2950-0KA16-0KT0&lang=en">http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RF2950-0KA16-0KT0&lang=en</a>



last modified: 3/11/2021 **2**