SIEMENS

Data sheet

3RF2350-3AA02

Solid-state contactor 1-phase 3RF2 AC 51 / 50 A / 40 $^\circ\text{C}$ 24-230 V / 24 V DC Ring cable connection

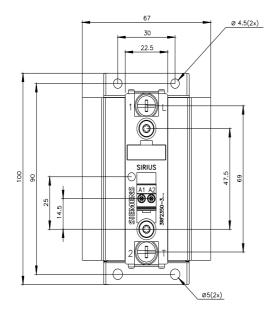
product brand name	SIRIUS
product designation	solid-state contactor
design of the product	single-phase
product type designation	3RF23
manufacturer's article number	
 1 of the accessories that can be ordered 	3RF2900-3PA88
 _3 of the accessories that can be ordered 	<u>3RF2900-0EA18</u>
 _4 of the accessories that can be ordered 	3RF2950-0GA13
product designation	
 _1 of the accessories that can be ordered 	terminal cover
 _3 of the accessories that can be ordered 	converter
 _4 of the accessories that can be ordered 	load monitoring
General technical data	
product function	zero-point switching
power loss [W] for rated value of the current	
 at AC in hot operating state 	54 W
 at AC in hot operating state per pole 	54 W
 without load current share typical 	0.4 W
insulation voltage rated value	600 V
degree of pollution	3
type of voltage of the control supply 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	1
number of NO contacts for main contacts	1
number of NC contacts for main contacts	0
operating voltage at AC	04 000 \/
at 50 Hz rated value	24 230 V
at 60 Hz rated value	24 230 V
operating frequency rated value	50 60 Hz
operating range relative to the operating voltage at AC • at 50 Hz	20 253 V
• at 50 Hz	20 253 V 20 253 V
operational current	
at AC-51 rated value	50 A
 at AC-51 according to IEC 60947-4-3 	36 A
according to UL 508 rated value	45 A

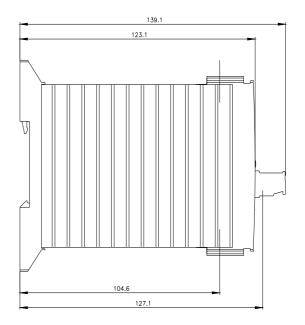
	500 m A
operational current minimum	500 mA
rate of voltage rise at the thyristor for main contacts maximum permissible	1 000 V/µs
blocking voltage at the thyristor for main contacts maximum permissible	800 V
reverse current of the thyristor	10 mA
derating temperature	40 °C
surge current resistance rated value	1 150 A
l2t value maximum	6 600 A ² ·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	15 24 V
control supply voltage	13 24 V
at DC initial value for signal <1> detection	15 V
• at DC full-scale value for signal < 12 detection	5 V
control current at minimum control supply voltage	5 V
• at DC	13 mA
control current at DC rated value	15 mA
ON-delay time	1 ms; additionally max. one half-wave
OFF-delay time	1 ms; additionally max. one half-wave
Auxiliary circuit	
	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 	Yes
design of the thread of the screw for securing the equipment	M4
height	100 mm
	100 mm 67 mm
height	
height width	67 mm
height width depth	67 mm
height width depth Connections/ Terminals	67 mm
height width depth Connections/ Terminals type of electrical connection	67 mm 141 mm
height width depth Connections/ Terminals type of electrical connection • for main current circuit	67 mm 141 mm Ring cable lug connection
height width depth Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit	67 mm 141 mm Ring cable lug connection
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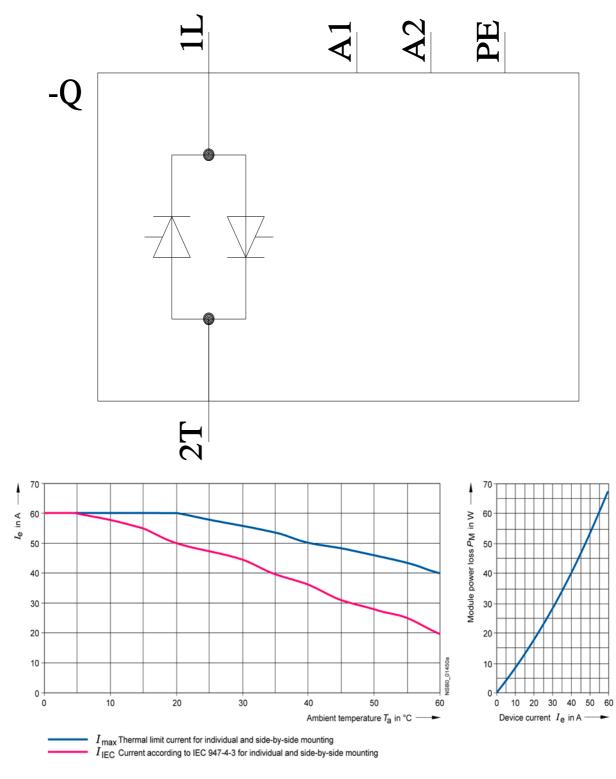
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last modified:

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