SIEMENS

Data sheet 3RF2340-3AA26



Solid-state contactor 1-phase 3RF2 AC 51 / 40 A / 40 $^{\circ}\text{C}$ 48-600 V / 110-230 V AC 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		
_4 of the accessories that can be ordered	3RF2950-0GA36		
product designation			
 _1 of the accessories that can be ordered 	terminal cover		
_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	44 W		
at AC in hot operating state per pole	44 W		
without load current share typical	3.5 W		
insulation voltage rated value	600 V		
degree of pollution	3		
type of voltage			
 of the operating voltage 	AC		
 of the control supply voltage 	AC		
surge voltage resistance of main circuit rated value	6 kV		
protection class IP	IP00		
protection class IP on the front according to IEC 60529	IP00		
shock resistance according to IEC 60068-2-27	15g / 11 ms		
vibration resistance according to IEC 60068-2-6	2g		
reference code according to IEC 81346-2	Q		
Substance Prohibitance (Date)	05/28/2009		
SVHC substance name	Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 Dibutylbis(pentane-2,4-dionato-O,O')tin - 22673-19-4		
Weight	0.455 kg		
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		
type of voltage of the operating voltage	AC		
operating voltage			
• at AC			
— at 50 Hz rated value	48 600 V		
— at 60 Hz rated value	48 600 V		

operating frequency rated value	50 60 Hz		
operating range relative to the operating voltage at AC	30 30 T IZ		
• at 50 Hz	40 660 V		
• at 60 Hz	40 660 V		
	40 000 V		
operational current	40. A		
at AC-51 rated value	40 A		
• at AC-51 according to IEC 60947-4-3	33 A		
according to UL 508 rated value	36 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	1 600 V		
reverse current of the thyristor	10 mA		
derating temperature	40 °C		
surge current resistance rated value	1 150 A		
I2t value maximum	6 600 A²-s		
Control circuit/ Control			
type of voltage of the control supply voltage	AC		
control supply voltage 1 at AC			
• 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			
at 50 Hz full-scale value for signal<0> recognition	40 V		
at 60 Hz full-scale value for signal<0> recognition	40 V		
control supply voltage			
at AC initial value for signal <1> detection	90 V		
symmetrical line frequency tolerance	5 Hz		
control current at minimum control supply voltage	0112		
• 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; additionally max. one half-wave		
Auxiliary circuit	40 mg, additionally max. one hall wave		
	normally onen centect (NO)		
type of switching contact	normally open contact (NO)		
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 side-by-side mounting	Yes		
fastening method	screw fixing and snap-on mounting on standard mounting rail 35 mm according to IEC 60715		
design of the thread of the screw for securing the equipment	M4		
height	100 mm		
width	67 mm		
depth	141 mm		
Connections/ Terminals			
product component removable terminal for auxiliary and control circuit	Yes		
type of electrical connection			
• for main current circuit	Ring cable lug connection		
for auxiliary and control circuit	ring terminal lug connection		
type of connectable conductor cross-sections			
for main contacts for JIS cable lug	JIS C 2805 R 2-5, 5,5-5, 8-5, 14-5		
for DIN cable lug for main contacts	DIN 46234 -5-2,5, -5-6, -5-10, -5-16, -5-25		
type of connectable conductor cross-sections	(0.00 . 0 =,0, 0 0, 0 10, 0 10, 0 20		
• for auxiliary and control contacts			
— solid	1v (0.5 2.5 mm²) 2v (0.5 1.0 mm²)		
— soliu	1x (0.5 2.5 mm²), 2x (0.5 1.0 mm²)		

finely stranded with core end processing for AWG cables for auxiliary and control contacts for auxiliary and control contacts with screw-type terminals for auxiliary and control contacts for finel scalling and control contacts for finel scalling and control contacts for finel scalling and control contacts for main contacts for main contacts for main contacts for finel scalling and control contacts for main contacts for auxiliary and control contacts for main contacts for for for for for for semiconductor protection at control and control contacts for for for for for for for for semiconductor protection at control contacts for for for for for for for for for						
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• for main contacts • for auxiliary and control contacts 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10	of the auxiliary and control contacts	M3				
For auxiliary and control contacts 10 mm	stripped length of the cable					
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	cylindrical design 22 x 58 mm usable	3NC2280				
General Product Approval EMV Test Certificates	Approvals Certificates					
	General Product Approval		EMV	Test Certificates		











Type Test Certificates/Test Report

other

Environment

Confirmation



Environmental Confirmations

Information on the packaging https://support.industry.siemens.com/cs/ww/en/view/109813875

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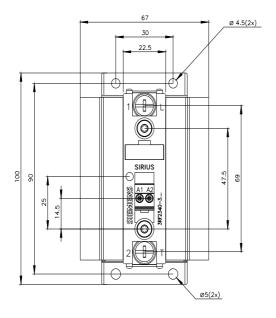
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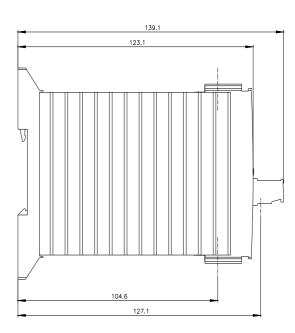
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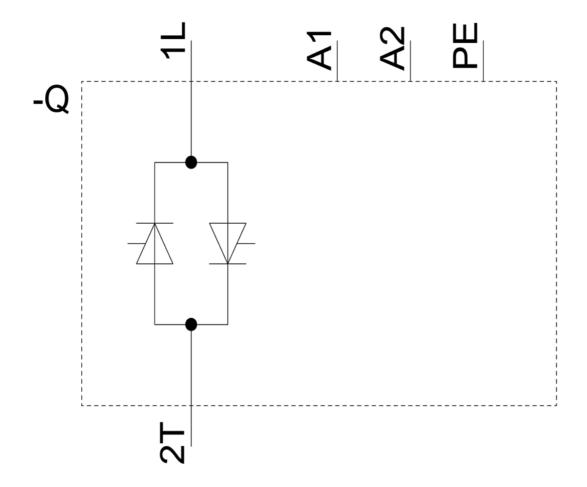
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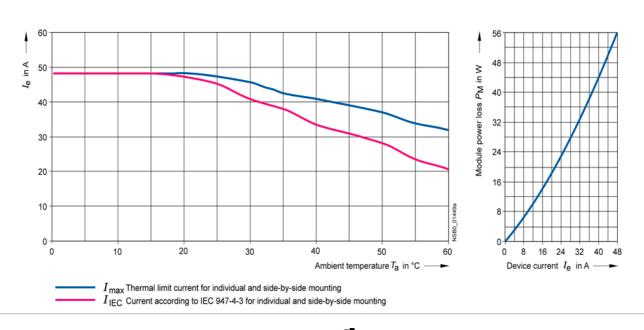
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Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RF2340-3AA26&lang=en









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