Industry-Relay SKR 122

Printable Construction 3 pole 10A

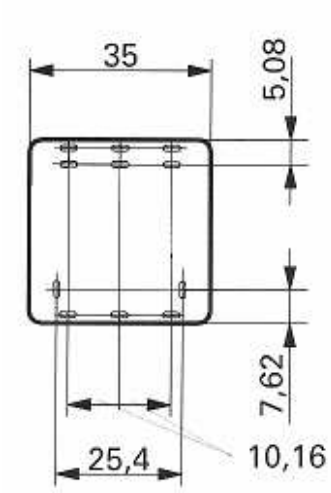
ELESTA

Technical Data

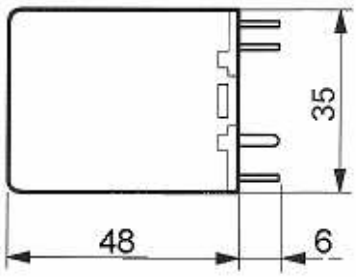
Contact Data			
Type of Contact		Single Contact	Double Contact
No. of Contacts		3C	
Rated Voltage / Max. Switching Voltage	VAC	250 / 440	
Rated Current	A	10	6
Inrush Current	A	40	15
Rated Breaking Capacity (cos φ = 1)	VA	2500	1500
Contact Material		AgCuNi; AgCuNi +htv	

General Data		
Mechanical Data	> Operations	10×10^6
Electrical Life at Rated Voltage	> Operations	7×10^5
Max. Switching Frequency	Operations / h	360
Operate Time / Release Time DC	approx. in m,s	1 2 / 3 , 5
Operate Time / Release Time AC	approx. in ms	3-10 / 2-15
Bounce Time A / B DC	approx. in ms	3,5 / 9
Bounce Time A / B AC	approx. in ms	3-6 / 6-11
Test Voltage Contact / Coil	≥ VAC_{eff}	2500
Test Voltage Contact Open	≥VAC_{eff}	1500
Test Voltage Contact Poles	≥ VAC_{eff}	1500
Vibration Resistance A / B (10-500Hz)		10g / 3g
Creeping-/Leakage Distance	mm	2 / 3
Insulation Group / Rated Voltage (VDE 0110b 2/79)	/ 250	C
Ambient Temperature	°C	-40…+70
Approvals		VDE; UL; CSA;
Weight	gr.	80

Dimension Diagram



Coil at + 20°C		
Rated Voltage	VDC	12…110
Rated Voltage	VAC	12…230
Power Consumption (DC – Coil)	approx. W	1,2
Power Consumption (AC – Coil)	VA	2,5

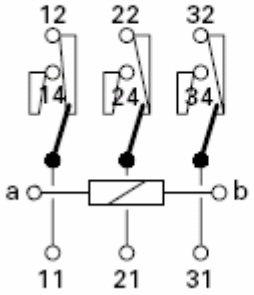


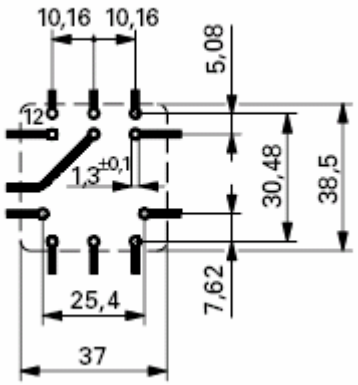
All measure in mm.

DC-Coil				
U_N (V)	R (Ohm)	U_{AN} (V)	U_{AB} (V)	I_N (mA)
12	115 ± 10%	≤ 9,6	≥ 0,6	104,0
24	480 ± 10%	≤ 19,2	≥ 1,2	50,0
48	1850 ± 10%	≤ 38,4	≥ 2,4	25,9
110	9000 ± 10%	≤ 88,0	≥ 5,5	12,2
220	29000 ± 10%	≤ 176,0	≥ 11,0	7,58
AC-Coil				
U_N (V)	R (Ohm)	U_{AN} (V)	U_{AB} (V)	I_N (mA)
12	13,3 ± 10%	≤ 9,6	≥ 1,8	211,0
24	52,0 ± 10%	≤ 19,2	≥ 3,6	104,0
48	240 ± 10%	≤ 38,4	≥ 7,2	55,0
110	1120 ± 10%	≤ 88,0	≥16,5	23,0
230	5600 ± 10%	≤ 184,0	≥34,5	11,5

Other coil tensions on request.

Schematic Diagram





Order Type

SKR 122	A	024VDC	

Relay Type
122 = 3 Change-Over Contact

Construction
A = Mechanical Position Indication (standard)
B = Without Manual Actuation
D = Double Contact
F = Free Wheeling Diode
L = Electrical Position Indication
T = Push-Button Actuation

Coil Voltage
012VDC = 12VDC ...110VDC = 110VDC
012VAC = 12VAC....230VAC = 230VAC

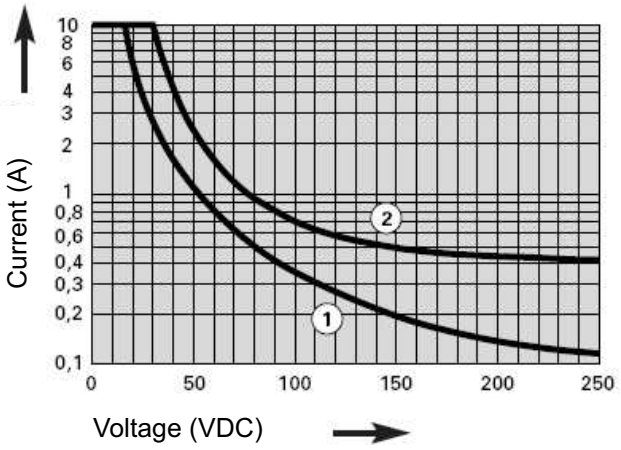
Contact Material
Without = AgCuNI

Further constructions on request!

Electrical Specification

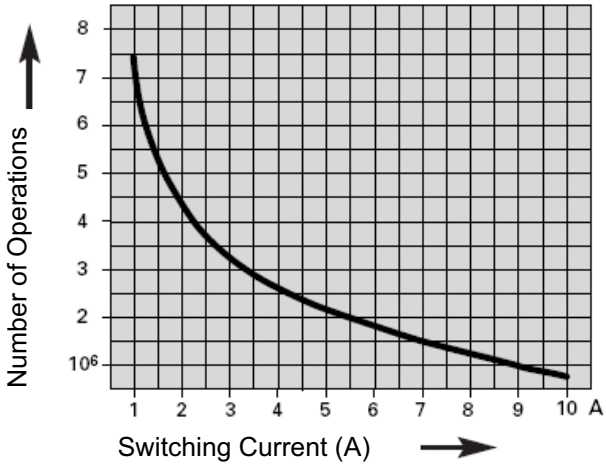
Single Contact

Load Limit Curve for Direct Current



1) Inductive Load, L/R 40 ms
2) Resitive Load

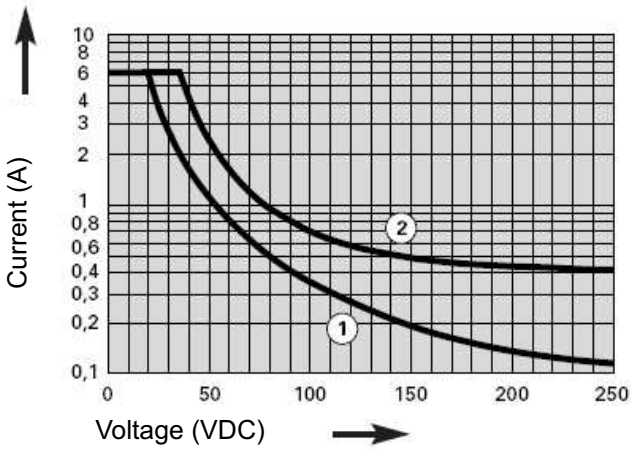
Contact Life Time



- AC Load Cos Phi (AC1)
- 250 VAC 50Hz 360 Operations/h

Double Contact

Load Limit Curve for Direct Current



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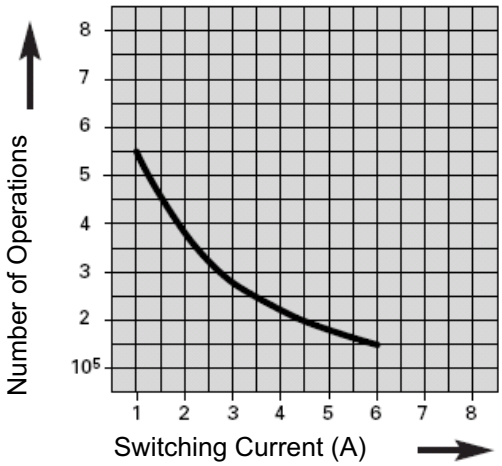

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