

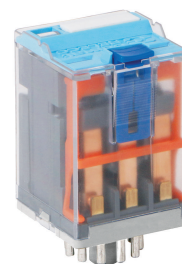
3 pole | changeover contact



Available contact materials

 AgNi

Recommended minimum contact load	10 mA / 10 V
Maximum contact load AC	10 A / 250 V AC-1
Maximum contact load DC	10 A / 30 V DC-1
Inrush current	30 A, 20 ms
Rated load AC	2 500 VA
Rated load DC	fig. 3.
Rated current	10 A
Mechanical endurance (cycles)	≥ 20 000 000
Electrical endurance at rated load AC-1 (cycles)	≥ 500 000



Nominal voltage	see table product references
Operating voltage range	$0.8 U_N \dots 1.1 U_N$
Pick-up voltage	$\leq 0.8 U_N$
Release voltage	$\geq 0.1 U_N$
Power consumption AC / DC	2.2 VA / 1.3 W

V DC	Ohm	mA
48	1 850	26

Test voltage open contact	1 kV / 1 min
Test voltage contact / contact	2.5 kV / 1 min
Test voltage contact / coil	2.5 kV / 1 min
Overvoltage category	III
Insulation resistance at 500 V	≥ 1 GΩ
Pollution degree	3

Storage temperature (no ice)	-40 ... 80 °C
Operation temperature	-40 ... 60 °C
Pick-up time / bounce time	16 ms / ≤ 3 ms
Release time / bounce time	8 ms / ≤ 1 ms
Maximum switching frequency at rated load	1 200 / h
Weight	81 g
Housing material	PA / PC

Socket	S3-B, S3-S, S3-M, S3-M0, S3-M1, EC-11
Blanking plug	S0-NP (BAG 10 PCS)
Test button without locking	S3-HP (BAG 10 PCS)

kVA	AC-1 (switching cycles x 10 ⁶)	Cos ϕ 0.4 (switching cycles x 10 ⁶)
0.2	4.5	3.0
0.5	2.5	1.5
1.0	1.5	0.8
1.5	1.0	0.5
2.0	0.7	0.4
2.5	0.5	0.3

A graph showing the relationship between current (Amps) on the y-axis and time (Volts) on the x-axis. The y-axis is logarithmic, ranging from 0.1 to 10. The x-axis is linear, ranging from 0 to 200. Two curves are plotted: a black curve labeled 'DC-1' and a red curve labeled 'L/R 40 ms'. The black curve starts at 10 Amps at 0 Volts and decreases to approximately 0.3 Amps at 200 Volts. The red curve starts at approximately 2.5 Amps at 0 Volts and decreases to approximately 0.1 Amps at 150 Volts.

[illegible]

Standards IEC/EN 60947; IEC/EN 61810

