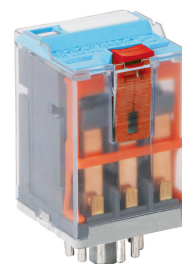


3 pole | changeover contact



Available contact materials

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
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Operating voltage range	0.8 U _N ... 1.1 U _N
Pick-up voltage	≤ 0.8 U _N
Release voltage	≥ 0.1 U _N
Power consumption AC / DC	2.2 VA / 1.3 W

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

Description	Type	120
LED	C3-A3xX/AC...V	✓

AC relays also available as 60 Hz. Other voltages on request. Please contact support@comatreleco.com.
«...» List coil voltage to complete product references.

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	1.8
1.0	1.5	1.0
1.5	1.0	0.7
2.0	0.7	0.5
2.5	0.5	0.3

Graph showing current (Amps) versus time (ms) for DC-1 and L/R 40 ms. The DC-1 curve (black) starts at 10 Amps at 0 ms and decays exponentially. The L/R 40 ms curve (red) starts at approximately 2.5 Amps at 0 ms and decays exponentially, reaching 0.1 Amps at 140 ms.

Standards IEC/EN 60947; IEC/EN 61810

