

C3-A38/DC48V

3 pole | changeover contact



Main circuit

Available contact materials	AgNi + 5 µ Au
Recommended minimum contact load	5 mA / 5 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

Control circuit

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

Insulation

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	$\geq 1 \text{ G}\Omega$
Pollution degree	3

General data

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

Accessories

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)

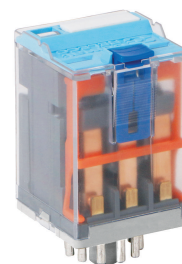


fig. 1. Wiring diagram



fig. 2. AC voltage endurance



fig. 3. DC load limit curve

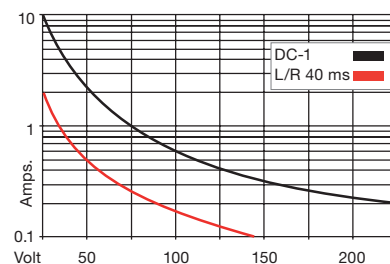


fig. 4. Dimensions (mm)



Technical approvals, conformities

Standards IEC/EN 60947; IEC/EN 61810

