C9-E21FX/DC48V

2 pole | changeover contact | sensitive coil | Faston

Main circuit

Available contact materials	AgNi + 0.2 µ Au
Recommended minimum contact load	10 mA / 10 V
Maximum contact load AC	5 A / 250 V AC-1
Maximum contact load DC	5 A / 30 V DC-1
Inrush current	15 A, 20 ms
Rated load AC	1 200 VA
Rated load DC	fig. 3.
Rated current	5 A
Mechanical endurance (cycles)	≥ 10 000 000
Electrical endurance at rated load AC-1 (cycles)	≥ 100 000

Control circuit

Nominal voltage	see table product references
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	0.8 VA / 0.5 W

Coil table

V AC	Ohm	mA	V DC	Ohm	mA
12	65	68	12	279	43
24	255	on req.	24	1140	21
48	1022	on req.	48	4467	10.7
60	1516	13.6	60	7053	8.5
115	5865	on req.	110	23449	4.7
230	23900	3.2			

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	≥ 1 GΩ
Pollution degree	3

General data

Storage temperature (no ice)	-40 … 80 °C
Operation temperature	-40 … 60 °C
Pick-up time / bounce time	10 ms / ≤ 3 ms
Release time / bounce time	6 ms / ≤ 1 ms
Maximum switching frequency at rated load	1 200 / h
Weight	40 g
Housing material	PA / PC

Product references

Description	Type	48
LED & Pol. & Free wheeling diode	C9-E21FX/DC...V	✓

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

Accessories

Socket	S9-M, S9-P, S9-PI
Blanking plug	S9-NP (BAG 10 PCS)
Test Button w/o locking	S9-OP (BAG 10 PCS)





fig. 1. Wiring diagram

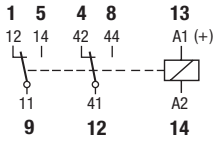


fig. 2. AC voltage endurance

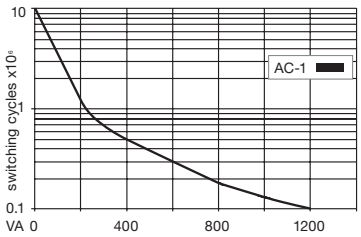


fig. 3. DC load limit curve

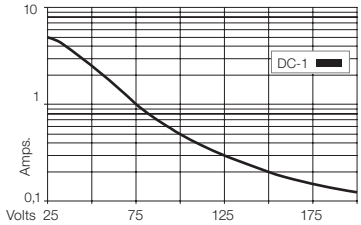
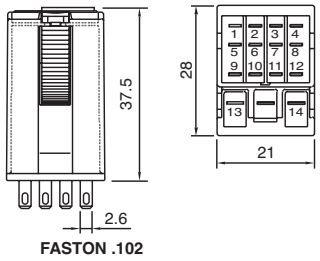


fig. 4. Dimensions (mm)



Technical approvals, conformities

Standards IEC/EN 60947; IEC/EN 61810

Approvals