

# R4-A40

4 pole | changeover contact | faston

### Main circuit

Available contact materials	AgNi
Recommended minimum contact load	10 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
AC load	2500 VA
DC load	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	0.7 U <sub>N</sub> ... 1.25 U <sub>N</sub>
Pick-up voltage	≤ 0.7 U <sub>N</sub>
Release voltage	≥ 0.1 U <sub>N</sub>
Power consumption AC / DC	2.4 VA / 1.4 W

### Coil table

V DC	Ohm	mA
24	414	58
72	3 775	20
110	8 117	14

### 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
Pollution degree	3
Overtoltage category	III
Insulation resistance at 500 V	≥ 1 GΩ

### General data

Ambient temperature storage (no ice)	-40 ... 80 °C
Ambient temperature operation	-40 ... 70 °C
Pick-up time / bounce time	20 ms / ≤ 3 ms
Release time / bounce time	8 ms / ≤ 1 ms
Maximum switching frequency at rated load	1200 / h
Dimension	fig. 4.
Weight	90 g
Housing material	PA / PC

### Product references

Description	Type	24	72	110
LED & Polarity & Free wheeling diode	R4-A40FX/DC...V	✓	✓	✓

Other voltages on request. Please contact support@comatreleco.com.  
«...» List coil voltage to complete product references

### Accessories

Socket	S4-GR
Blanking plug	SO-NP (BAG 10 PCS)
Wall mounting adapter	S5-R

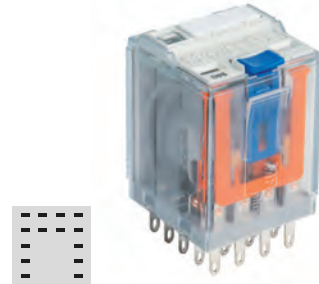


fig. 1. Wiring diagram

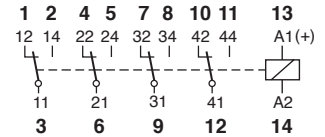


fig. 2. AC voltage endurance

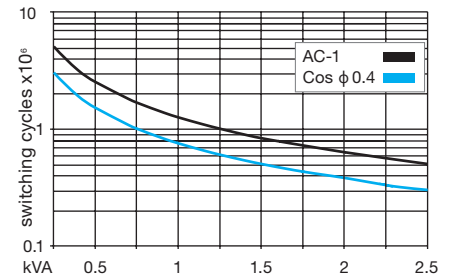


fig. 3. DC load limit curve

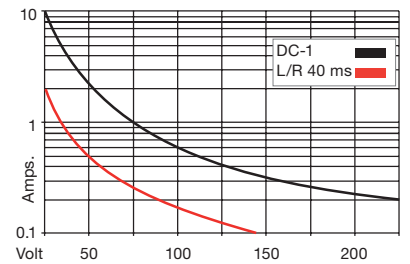
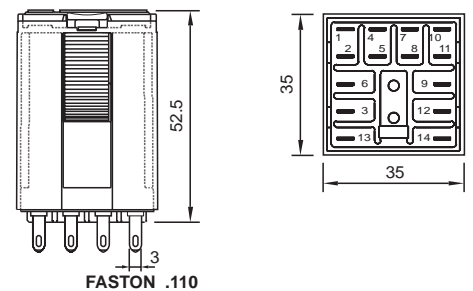


fig. 4. Dimension (mm)



### Technical approvals, conformities

Standards IEC/EN 60947; IEC/EN 61810

Railway EN 45545-2; EN 50155

Approvals