R5-A30U/DC24V

3 pole | Changeover contact | Faston

Main circuit

Available contact materials	AgNi
Recommended minimum contact load	10 mA / 10 V
Maximum contact load AC	16 A / 400 V AC-1
Maximum contact load DC	16 A / 30 V DC-1
Inrush current	40 A, 20 ms
Rated load AC	4 000 VA
Rated load DC	fig. 3.
Rated current	16 A
Mechanical endurance (cycles)	≥ 20 000 000
Electrical endurance at rated load AC-1 (cycles)	≥ 300 000

Control circuit

Nominal voltage	see table product references
Operating voltage range	0.7 U_N … 1.25 U_N
Pick-up voltage	≤ 0.7 U_N
Release voltage	≥ 0.1 U_N
Power consumption AC / DC	2.4 VA / 1.4 W

Coil table

U_{DC}(V)	R(Ω)	I(mA)
24	414	58

Insulation

Test voltage open contact	1 kV / 1 min
Test voltage contact / contact	4 kV / 1 min
Test voltage contact / coil	4 kV / 1 min
Overvoltage category	III
Insulation resistance at 500 V	≥ 3 GΩ
Pollution degree	3

General data

Storage temperature (no ice)	-40 … 80 °C
Operation temperature	-40 … 70 °C
Pick-up time / bounce time	20 ms / ≤ 3 ms
Release time / bounce time	10 ms / ≤ 1 ms
Maximum switching frequency at rated load	1 200 / h
Dimensions	fig. 4.
Weight	95 g
Housing material	PA / PC

Product references

Description	Type	24
DC	R5-A30U/DC...V	✓

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

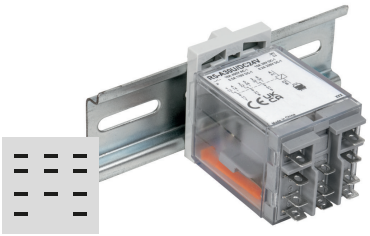


fig. 1. Wiring diagram

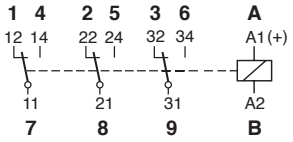


fig. 2. AC voltage endurance

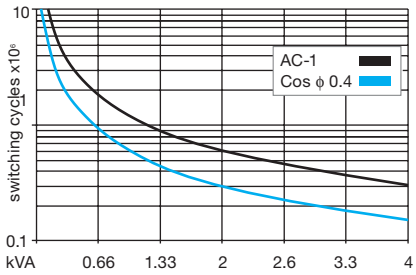


fig. 3. DC load limit curve

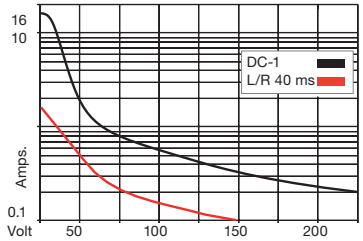
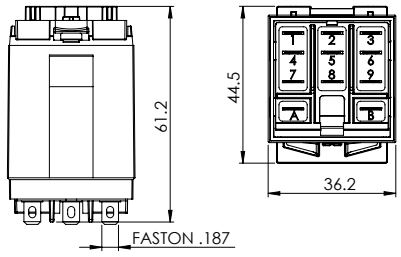


fig. 4. Dimensions (mm)



Technical approvals, conformities

Standards IEC/EN 60947; IEC/EN 61810
Railway EN 50155; EN 45545-2
Approvals