

RIC25-220-R/DC110V

4 pole | 25 A | 5.4 kW



Main circuit

Available contact materials	AgNi
Rated voltage	400 V AC
Rated current AC-1	25 A
Recommended minimum contact load	50 mA, 17 V
Inrush current	60 A, 100 ms / 280 A, 300 µs
Rated load AC-1	5.4 kW
Rated load AC-3	1.3 kW
Rated load DC-1	see fig. 2
Mechanical endurance (cycles)	≥ 10 000 000
Electrical endurance at rated load AC-1 (cycles)	≥ 200 000
Electrical endurance at rated load AC-3 (cycles)	≥ 500 000
Electrical endurance at rated load DC-1 (cycles)	≥ 100 000
Electrical endurance at rated load DC-5 (cycles)	≥ 100 000
Switching frequency at rated load AC-1 (cycles / h)	≤ 600
Switching frequency at rated load AC-3 (cycles / h)	≤ 600
Switching frequency at rated load DC-1 (cycles / h)	≤ 300
Switching frequency at rated load DC-3 (cycles / h)	≤ 300
Switching frequency at rated load DC-5 (cycles / h)	≤ 300

Control circuit

Nominal voltage	see table product references
Operating voltage range	0.70 ... 1.25 U _N
Pick-up voltage	≤ 0.70 U _N
Release voltage	≥ 0.1 U _N
Pick-up time	15 ... 45 ms
Release time	20 ... 70 ms
Power consumption DC	4.6 W

Insulation

Rated insulation voltage	440 V
Rated impulse withstand voltage open contact	4 kV / 1 min
Pollution degree	3
Overvoltage category	III
Clearance of open contact	3.6 mm

Wiring

Contact type control / main circuit	Screw connection, M3 / M3.5
Conductor cross section control / main circuit	2.5 mm ² / 6 mm ²

Housing and environmental conditions

Storage temperature (no ice)	-40... +80 °C
Operation temperature	-15 ... 55 °C
Ingress Protection	IP 20
Weight	230 g
Housing material	PA 6
Dimensions	85 x 35 x 65 mm

Product references

Description	Type	110
2 NO + 2 NC	RIC25-220-R/DC...V	✓
Other voltages on request. Please contact support@comatreleco.com.		
«...» List control circuit voltage to complete product references.		

Accessories

Busbar	RIC-NS-2-1, RIC-PS-2-3, RIC-PS-2-4
End covers	RIC-EK-23 (BAG 10 PCS), RIC-EK-40 (BAG 10 PCS)
Auxiliary contact	RIC-AUX02, RIC-AUX11, RIC-AUX20
Sealing cover	RIC-SEAL25 (BAG 10 PCS)

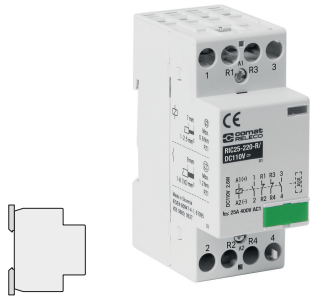


fig. 1. Wiring diagram

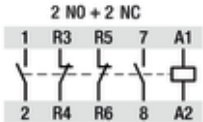
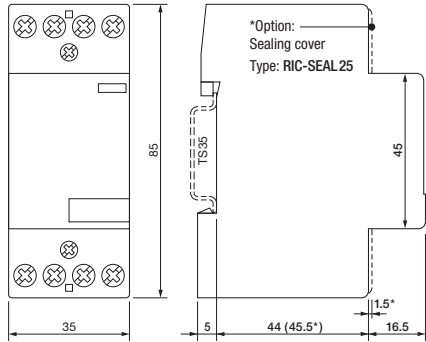


fig. 2. DC load limit curve

fig. 3. Dimensions (mm)



Technical approvals, conformities

Standards	IEC/EN 60947
Railway	EN 50155; EN 45545-2
Approvals	CE UK EAC