

RIC20-020-SR/DC24V
2 pole | 20 A | 7 kW | DC-5 | 4 A 110 V DC | TVS suppressor



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 ... 50 ms
Power consumption DC	2.6 W
TVS Diode type	Bidirectional surge TVS
TVS Diode failure mode	defined short cut

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 , use copper conductors only

Housing and environmental conditions	
Storage temperature (no ice)	-40 ... 80 °C
Operation temperature	15 ... 55 °C
Ingress Protection	IP 20
Weight	135 g
Housing material	PA 6
Dimensions	see fig. 3

Product references		
Description	Type	24
2 NC	RIC20-020-SR/DC...V	✓
Other voltages on request. Please contact support@comatreleco.com.		
«...» List control circuit voltage to complete product references.		

Accessories	
End covers	RIC-EK-11 (BAG 25 PCS), RIC-EK-23 (BAG 10 PCS)
Busbar	RIC-NS-1-1-R, RIC-PS-1-2-R
Sealing cover	RIC-SEAL20 (BAG 10 PCS)

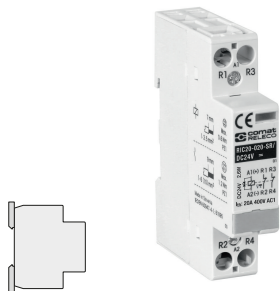


fig. 1. Wiring diagram

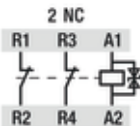


fig. 2. DC load limit curve

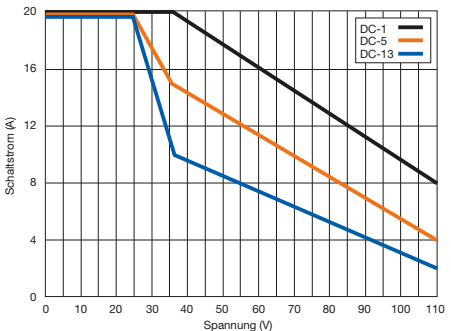
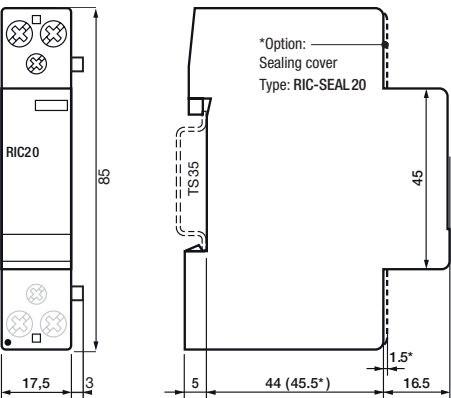


fig. 3. Dimensions (mm)



Technical approvals, conformities

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