

RSC16

Industrial Contactor | 3 or 4 pole | 16 A | 7.5 kW



Main circuit

Contact material	AgNi
Rated voltage	690 V
Rated current AC-1	25 A
Rated current AC-3	16 A, 400 V
Rated current DC-3	0.75 A, 220 V DC
Minimum contact load	50 mA, 17 V
Overload current	128 A (10 s) / 450 A (0.001 s)
Rated load AC-1, 400 V	16 kW
Rated load AC-3, 400 V	7.5 kW
Mechanical endurance (cycles)	≥ 1 x 10 ⁷
Electrical endurance at rated load AC-1 (cycles)	≥ 2 x 10 ⁵
Electrical endurance at rated load AC-3 (cycles)	fig. 2
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-3	≤ 300

Control circuit

Nominal voltage	24 V AC, 230 V AC	24 V DC
Operating voltage range	0.85 ... 1.1 U _N	
Typ. pick-up voltage	≤ 0.85 U _N	
Typ. release voltage	≥ 0.2 U _N AC	≥ 0.1 U _N DC
Pick-up time	10 ... 25 ms	
Release time	5 ... 15 ms	
Power consumption AC / DC	8.0 VA / 2.5 W	
Rated frequency	50 / 60 Hz	

Insulation

Rated insulation voltage	690 V
Rated impulse withstand voltage	6 kV
Pollution degree	3
Overvoltage category	III
Clearance of open contact	3.6 mm

General data

Ambient temperature storage	-30 ... 80 °C
Ambient temperature operation open contact	-25 ... 55 °C
Ambient temperature operation close contact	-25 ... 45 °C
Conductor cross section Control / Main Circuit	4 mm ² / 6 mm ²
Nominal screw torque Control / Main Circuit	1.4 Nm / 1.4 Nm
Module width	fig. 3
Weight	300 g
Protection degree	IP 20
Housing material	PA 66

Product references

Main circuit	Product reference	24	230
3 NO + 1 NO	RSC16-310/AC...V	✓	✓
3 NO + 1 NC	RSC16-301/AC...V	✓	✓
3 NO	RSC16-300/DC...V	✓	

"..." list control circuit voltage to complete product references
Other voltages on request. Please contact support@comatreleco.com

Accessories

Auxiliary module	RSC-AUX
Bimetallic thermal relay	RSC-MP
RC - Suppressor	RSC-RC
DI - Suppressor	RMC-DI
MBL - Mechanical locking	RSC-MBL1



fig. 1. Wiring diagram

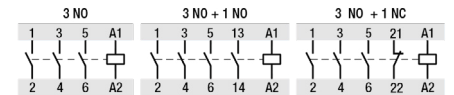


fig. 2. Electrical endurance

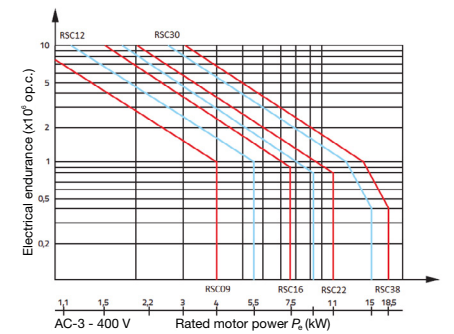
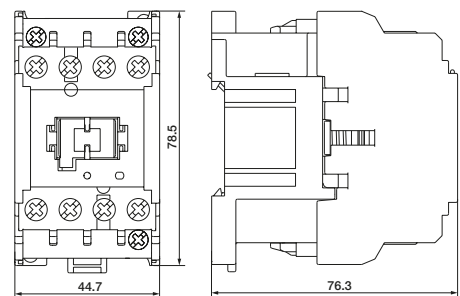


fig. 3. Dimensions (mm)



Standards and approvals

Standards IEC/EN 60947

Approvals