

RSC30

Industrial Contactor | 3 pole | 30 A | 15 kW

Main circuit

| | |
|---|--------------------------------|
| Contact material | AgNiO ₂ |
| Rated voltage | 1000 V |
| Rated current AC-1 | 35 A |
| Rated current AC-3 | 30 A, 400 V |
| Rated current DC-3 | 1 A, 220 V DC |
| Minimum contact load | 50 mA, 17 V |
| Overload current | 240 A (10 s) / 900 A (0.001 s) |
| Rated load AC-1, 400 V | 23 kW |
| Rated load AC-3, 400 V | 15 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 ... 20 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 | 1000 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 / 10 mm ² |
| Nominal screw torque Control / Main Circuit | 1.4 Nm / 1.8 Nm |
| Module width | fig. 3 |
| Weight | 320 g |
| Protection degree | IP 20 |
| Housing material | PA 66 |

Product references

| Main circuit | Product reference | 24 | 230 |
|--------------|-------------------|----|-----|
| 3 NO | RSC30-300/AC...V | ✓ | ✓ |
| 3 NO | RSC30-300/DC...V | ✓ | |

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

Accessories

| | |
|--------------------------|----------|
| Auxiliary module | RSC-AUX |
| RC - Suppressor | RSC-RC |
| DI - Suppressor | RMC-DI |
| MBL - Mechanical locking | RSC-MBL1 |



fig. 1. Wiring diagram



fig. 2. Electrical endurance

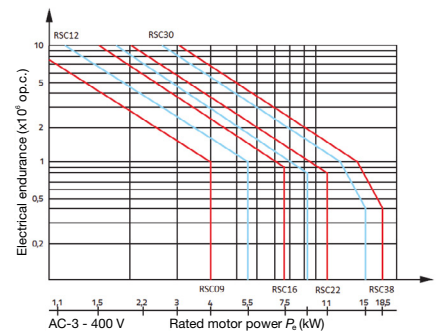
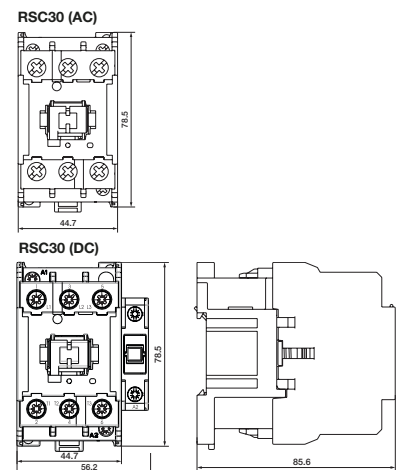


fig. 3. Dimensions (mm)



Standards and approvals

Standards IEC/EN 60947

Approvals