

RESIDUAL CURRENT CIRCUIT BREAKER WITH OVERCURRENT PROTECTION, 10KA. 2 MODULES, 1P+N - TYPE AC, 20A



| Product type designation P1 RB Number of poles 1P4 N Number of DIN modules 2 Compliance IEC Electrical features IEC Rated insulation voltage UI IEC/EN V 400 Rated inpulse withstand voltage Ulimp kV 4 Rated operational voltage AC (IEC) VAC 230 Rated frequency Hz 50/60 Rated current (In) A 20 Tripping curve C C Residual operation characteristic mA 30 Rated residual current mA 30 Short circuit rating (IEC) kA 10 Power dissipation per pole max W 3 Ambient conditions W 3 Operating temperature min °C -35 Storage temperature min °C -40 Max altitude m 2000 Mechanical features min Nm 1.8 Poperating position monal lon | Product designation | | | Residual current circuit breaker with overcurrent protection (RCBO) |
|--|--------------------------------------|------------|------|---|
| Number of poles 1P+N Number of DIN modules 2 Compliance 1EC Electrical features | Product type designation | | | |
| Number of DIN modules | | | | |
| Electrical features V 400 Rated insulation voltage Ui IEC/FN kV 4 Rated operational voltage AC (IEC) VAC 230 Rated operational voltage AC (IEC) VAC 230 Rated operational voltage AC (IEC) VAC 20 Rated current (In) A 20 Tripping curve C C Residual operation characteristic mA AC Rated residual current mA 30 Short circuit rating (IEC) kA 10 Power dissipation per pole max W 3 Ambient conditions W 3 Ambient conditions Storage temperature min °C -35 max °C 70 Storage temperature Min °C -40 max °C 80 Mechanical features Operating position Fixing Min Nm 1.8 < | · | | | 2 |
| Rated insulation voltage Ui IEC/EN | Compliance | | | IEC |
| Rated impulse withstand voltage Uimp kV 4 Rated operational voltage AC (IEC) VAC 230 Rated frequency Hz 50/60 Rated current (In) A 20 Tripping curve C C Residual operation characteristic AC AC Rated residual current mA 30 Short circuit rating (IEC) kA 10 Power dissipation per pole max W 3 Ambient conditions W 3 Operating temperature min °C -35 Max altitude min °C -40 Machanical features min °C 80 Mechanical features onormal Vertical plan 15 Tightening torque for terminals min Nm 1.8 max Nm 2 min lin 16 max libin 17.7 Terminals tool min min min min min min < | Electrical features | | | |
| Rated operational voltage AC (IEC) | Rated insulation voltage Ui IEC/EN | | V | 400 |
| Rated frequency Hz 50/60 Rated current (in) A 20 Tripping curve C C Residual operation characteristic AC AC Rated residual current mA 30 Short circuit rating (IEC) kA 10 Power dissipation per pole max W 3 Ambient conditions min °C -35 Operating temperature min °C -40 Storage temperature min °C -40 Max altitude m 2000 Mechanical features mn 2000 Operating position normal Vertical plan Fixing 35mm DIN rail Tightening torque for terminals min Nm 1.8 max Nm 2 min 1bin 16 max Ibin 17.7 1 min 17.7 2 Terminals tool min min min 1.7 2 2 | Rated impulse withstand voltage Uimp | | kV | 4 |
| Rated current (In) | Rated operational voltage AC (IEC) | | VAC | 230 |
| Tripping curve | Rated frequency | | Hz | 50/60 |
| Residual operation characteristic | Rated current (In) | | Α | 20 |
| Rated residual current | Tripping curve | | | С |
| Rated residual current mA 30 Short circuit rating (IEC) kA 10 Power dissipation per pole max W 3 Ambient conditions Operating temperature min °C -35 max Correction min °C -40 max Max attitude m 2000 Mechanical features Operating position normal Vertical plan Fixing 35mm DIN rail Tightening torque for terminals min Nm 1.8 max Nm 2 min 16 max lbin 17.7 7 Terminals tool Conductor section IEC min min mm 2 AWG/Kcmil min min mm 2 min mm 16 mm min min min min min max min min min min | | | | AC |
| Power dissipation per pole max | | | mA | 30 |
| Power dissipation per pole max | Short circuit rating (IEC) | | kA | 10 |
| Ambient conditions | | | W | 3 |
| Min | · · · · | | | |
| Max C 70 | Operating temperature | | | |
| Storage temperature min max "C -40 max "C 80 Max altitude m 2000 Mechanical features Operating position Fixing Towns IN rail Tightening torque for terminals min Nm 1.8 max Nm 2 mmx 1.8 max Nm 2 mmx 1.8 max Nm 2 mmx 1.8 max 1.0 max | | min | °C | -35 |
| min max °C s0 40 max 60 cc 80 Max altitude m 2000 Mechanical features Operating position normal Vertical plan S5mm DIN rail Tightening torque for terminals min Nm 1.8 max Nm 2 min lbin 16 max lbin 17.7 Terminals tool pz 2 Conductor section IEC min min mm² 1 max mm² 25 AWG/Kcmil min max mm² 3 3 | | max | °C | 70 |
| Max altitude m 2000 Mechanical features Operating position normal Vertical plan Fixing 35mm DIN rail Tightening torque for terminals min Nm 1.8 max Nm 2 min lbin 16 max lbin 17.7 Terminals tool Pz 2 Conductor section min mm² 1 IEC min mm² 2 AWG/Kcmil min mm² 25 AWG/Kcmil min 16 max 3 | Storage temperature | | | |
| Max altitude m 2000 Mechanical features Operating position Fixing 35mm DIN rail Tightening torque for terminals min Nm 1.8 max Nm 2 min lbin 16 max lbin 17.7 Terminals tool Pz 2 Conductor section IEC min mm² 1 AWG/Kcmil min mm² 2 AWG/Kcmil min 16 max 3 | | min | °C | -40 |
| Mechanical features Operating position normal Vertical plan Fixing 35mm DIN rail Tightening torque for terminals min Nm 1.8 max Nm 2 min 1bin 16 max 1bin 17.7 Terminals tool Pz 2 Conductor section Pz 2 Conductor section min mm² 1 mm² 25 AWG/Kcmil min min 16 max 3 | | max | °C | 80 |
| Operating position Fixing 35mm DIN rail Tightening torque for terminals min Nm Nm 1.8 max Nm 2 min Ibin 16 max Ibin 17.7 Terminals tool Pz 2 Conductor section IEC min mm² 1 max mm² 25 AWG/Kcmil min mm² 16 max 3 | Max altitude | | m | 2000 |
| Normal Vertical plan | Mechanical features | | | |
| Tightening torque for terminals | Operating position | | | |
| Tightening torque for terminals min Nm 1.8 max Nm 2 min Ibin 16 max Ibin 17.7 | | normal | | Vertical plan |
| Min Nm 1.8 Max Nm 2 Min Ibin 16 Max Ibin 17.7 | Fixing | | | 35mm DIN rail |
| Max Nm 2 min Ibin 16 max Ibin 17.7 | Tightening torque for terminals | | | |
| Min | | min | Nm | 1.8 |
| Terminals tool Pz 2 | | max | Nm | 2 |
| Terminals tool | | min | lbin | 16 |
| IEC | | max | lbin | 17.7 |
| IEC min mm² 1 max mm² 25 | Terminals tool | | | Pz 2 |
| min mm² 1 max mm² 25 AWG/Kcmil min 16 max 3 | Conductor section | | | |
| max mm² 25 AWG/Kcmil min 16 max 3 | IEC | | | |
| AWG/Kcmil min 16 max 3 | | min | mm² | 1 |
| min 16 max 3 | | max | mm² | 25 |
| max 3 | AWG/Kcmil | · <u> </u> | | |
| | | min | | 16 |
| Weight g 205 | | max | | 3 |
| | Weight | | g | 205 |

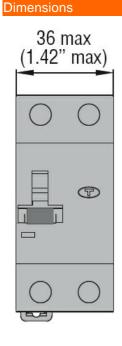


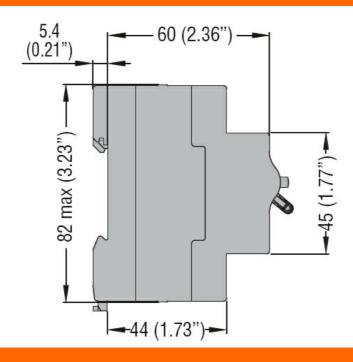


ENERGY AND AUTOMATION

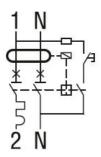
RESIDUAL CURRENT CIRCUIT BREAKER WITH OVERCURRENT PROTECTION, 10KA. 2 MODULES, 1P+N - TYPE AC, 20A

| Frontal IP degree | IP20 |
|-------------------|------|
| Pollution degree | 2 |
| | |





Wiring diagrams



Certifications and compliance

Compliance

IEC/EN 61009-1

Certifications

EAC

TÜV-Rheinland

ETIM classification

ETIM 8.0

EC000905 -Earth leakage circuit breaker