

| | | | | |
|---|-------------------------|------|------------|------------------------|
| Product designation | | | | RFNA110 |
| Product type designation | | | | Motor protection relay |
| General characteristics | | | | |
| Number of poles | | Nr. | 3 | |
| Overvoltage category | | | | III |
| Pollution degree | | | | 3 |
| Frontal IP degree | | | | IP20 |
| Type of release | | | | Thermal |
| Protection fuse | | | | |
| | gG (IEC) | A | 200 | |
| | aM (IEC) | A | 100 | |
| | K5 (UL) | A | 250 | |
| Phase failure detection | | | | No |
| Reset mode | | | | Automatic |
| Power circuit characteristics | | | | |
| Rated insulation voltage U_i IEC/EN | | V | 690 | |
| Rated impulse withstand voltage U_{imp} | | kV | 8 | |
| Rated operational voltage | | V | 690 | |
| Operational frequency | | | | |
| | | min | Hz | 0 |
| | | max | Hz | 400 |
| Operational current I_e | | | | |
| | Operational current min | A | 60 | |
| | Operational current max | A | 82 | |
| Tripping class | | | | 10A |
| Test Button | | | | Yes |
| Trip indicator | | | | Yes |
| Terminals | | | | |
| | type | | Yoke clamp | |
| | screw | | M5 | |
| | width | mm | 9 | |
| | tool | | Phillips 2 | |
| Tightening torque for terminals | | | | |
| | min | Nm | 3.9 | |
| | max | Nm | 3.9 | |
| | min | lbin | 2.88 | |
| | max | lbin | 2.88 | |
| Conductor section | | | | |
| | AWG/kcmil max | | 2 | |
| Auxiliary circuit characteristics | | | | |
| Auxiliary contacts | | | | |
| | NO | Nr. | 1 | |
| | NC | Nr. | 1 | |
| Auxiliary Rated insulation voltage U_i IEC/EN | | V | 690 | |
| Auxiliary Rated impulse withstand voltage U_{imp} | | kV | 6 | |
| Auxiliary Rated operational voltage | | V | 690 | |
| Operating current AC15 | | | | |
| | 24V | A | 1.5 | |
| | 120V | A | 1.5 | |
| | 240V | A | 0.75 | |
| IEC Conventional free air thermal current I_{th} | | A | 10 | |
| Terminals | | | | |

| | | | |
|--|--|-----------------|-----------------------------------|
| | Auxiliary circuit type | | Screw and washer |
| | Auxiliary circuit screw | | M3,5 |
| | Auxiliary circuit width | mm | 8 |
| | Auxiliary circuit tool | | Phillips 1 |
| Conductor section | | | |
| | Auxiliary circuit Flexible w/o lug max | mm ² | 2.5 |
| | Auxiliary circuit Flexible c/w lug max | mm ² | 2.5 |
| Tightening torque for terminals | | | |
| | Auxiliary circuit min | Nm | 1 |
| | Auxiliary circuit max | Nm | 1 |
| | Auxiliary circuit min | lbin | 0.74 |
| | Auxiliary circuit max | lbin | 0.74 |
| UL/CSA and IEC/EN 60947-5-1 designation | | | C300-R300 |
| Ambient conditions | | | |
| Operating temperature | | | |
| | min | °C | -20 |
| | max | °C | 55 |
| Storage temperature | | | |
| | min | °C | -55 |
| | max | °C | 80 |
| Compensation temperature | | | |
| | min | °C | -15 |
| | max | °C | 55 |
| Max altitude | | m | 3000 |
| Mechanical features | | | |
| Operating position | | | |
| | normal allowable | | Vertical plan ±30° |
| Weight | | g | 365 |
| UL technical data | | | |
| Full-load current (FLA) for three-phase AC motor | | | |
| | at 480V | A | 82 |
| | at 600V | A | 82 |
| Dimensions | | | |
| Wiring diagrams | | | |
| Certifications and compliance | | | |
| Compliance | | | |
| | CSA C22.2 n° 14 | | |
| | IEC/EN 60947-1 | | |
| | IEC/EN 60947-4-1 | | |
| | UL508 | | |
| Certifications | | | |
| | cULus | | |
| ETIM classification | | | |
| ETIM 8.0 | | | EC000106 - Thermal overload relay |