

Tightening torque for coil terminal

|  | min <br> max <br> min <br> max | Nm Nm lbft lbft | $\begin{aligned} & 0.8 \\ & 1 \\ & 0.8 \\ & 0.74 \\ & \hline \end{aligned}$ |
| :---: | :---: | :---: | :---: |
| max number of wires simultaneously connectable |  | nr . | 2 |
| Conductor section |  |  |  |
| AWG |  |  |  |
|  | min |  | 16 |
|  | max |  | 10 |
| Flexible w/o lug conductor section |  |  |  |
|  | min | $\mathrm{mm}^{2}$ | 1 |
|  | max | $\mathrm{mm}^{2}$ | 6 |
| Flexible c/w lug conductor section |  |  |  |
|  | min | $\mathrm{mm}^{2}$ | 1 |
|  | max | $\mathrm{mm}^{2}$ | 4 |
| Flexible with insulated spade lug conductor section |  |  |  |
|  | min | $\mathrm{mm}^{2}$ | 1 |
|  | max | $\mathrm{mm}^{2}$ | 4 |
| Power terminal protection according to IEC/EN 60529 |  |  | IP20 when wired |
| Auxiliary contact characteristics |  |  |  |
| Type of contact |  |  | 1 NO |
| Thermal current Ith |  | A | 10 |
| IEC/EN 60947-5-1 designation |  |  | A600-P600 |
| Operational current AC1 ( $540^{\circ} \mathrm{C}$ ) |  | A | 28 |
| Operating current AC15 |  |  |  |
|  | 230 V | A | 3 |
|  | 400 V | A | 1.9 |
|  | 500 V | A | 1.4 |
| Operating current DC12 |  |  |  |
|  | 110V | A | 5.7 |
| Operating current DC13 |  |  |  |
|  | 24V | A | 5.7 |
|  | 48V | A | 2.9 |
|  | 60 V | A | 2.3 |
|  | 110V | A | Screw / DIN rail 35mm |
|  | 125 V | A | 0.6 |
|  | 220 V | A | 0.2 |
|  | 600V | A | 1.2 |
| Ambient conditions |  |  |  |

Temperature
Operating temperature

|  |  | $\min$ | ${ }^{\circ} \mathrm{C}$ |
| :--- | :--- | :--- | :--- |
|  |  | -50 |  |
|  |  | $\max$ | ${ }^{\circ} \mathrm{C}$ |

electric
THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 12A, AC COIL 50/60HZ, 110VAC, 1NO AUXILIARY CONTACT

| Operations |  |  |  |
| :---: | :---: | :---: | :---: |
| Mechanical life |  | Cycles | 20000000 |
| Electrical life |  | Cycles | 2000000 |
| Saiety related data |  |  |  |
| Performance level B10d according to EN/ISO 13489-1 |  |  |  |
|  | rated load | Cicli | 2000000 |
|  | mechanical load | Cicli | 20000000 |
| Mirror contats according to IEC/EN 609474-4-1 |  |  | yes |
| EMC compatibility |  |  | yes |
| AC coil operating |  |  |  |
| AC operating voltage <br> of $50 / 60 \mathrm{~Hz}$ coil powered at 50 Hz pick-up |  |  |  |
|  |  |  |  |
|  | min | \%Us | 0.8 |
|  | max | \%Us | 1.1 |
| drop-out |  |  |  |
|  | min | \%Us | 0.2 |
|  | max | \%Us | 0.55 |
| of $50 / 60 \mathrm{~Hz}$ coil powered at 60 Hz pick-up |  |  |  |
|  | min | \%Us | 0.85 |
|  | max | \%Us | 1.1 |
| drop-out |  |  |  |
|  | min | \%Us | 0.2 |
|  | max | \%Us | 0.55 |
| of 60 Hz coil powered at 60 Hz pick-up |  |  |  |
|  | min | \%Us | 0.8 |
|  | max | \%Us | 1.1 |
| drop-out |  |  |  |
|  | min | \%Us | 0.2 |
|  | max | \%Us | 0.55 |
| AC operating voltage |  |  |  |
| of $50 / 60 \mathrm{~Hz}$ coil powered at 50 Hz |  |  |  |
|  | in-rush | VA | 75 |
|  | holding | VA | 9 |
| of $50 / 60 \mathrm{~Hz}$ coil powered at 60 Hz |  |  |  |
|  | in-rush | VA | 70 |
|  | holding | VA | 6.5 |
| of 60 Hz coil powered at 60 Hz |  |  |  |
|  | in-rush | VA | 75 |
|  | holding | VA | 9 |
| Dissipation at holding $\leq 20^{\circ} \mathrm{C} 50 \mathrm{~Hz}$ |  | W | 2.5 |
| Max cycles frequency |  |  |  |
| Mechanical operations |  | Cycles/h | 3600 |
| Operating times |  |  |  |
| Average time for Us control in $A C$ |  |  |  |
| Closing NO |  |  |  |
|  | min | ms | 8 |
|  | max | ms | 24 |
| Opening NO |  |  |  |
|  | min | ms | 10 |
|  | max | ms | 20 |

Closing NC

Opening NC

| $\min$ | ms | 14 |
| :---: | :--- | :--- |
| $\max$ | ms | 28 |
|  |  |  |
| $\min$ | ms | 7 |
| $\max$ | ms | 18 |

## UL technical data

Full-load current (FLA) for three-phase AC motor

|  | at 480 V <br> at 600 V | $\begin{aligned} & \text { A } \\ & \text { A } \end{aligned}$ | $\begin{aligned} & 11 \\ & 11 \end{aligned}$ |
| :---: | :---: | :---: | :---: |
| Yielded mechanical performance for single-phase AC motor |  |  |  |
|  |  |  |  |
|  | at $110 / 120 \mathrm{~V}$ | hp | 1 |
|  | at 230 V | hp | 2 |
| for three-phase AC motor |  |  |  |
|  | at 200/208V | hp | 5 |
|  | at $220 / 230 \mathrm{~V}$ | hp | 5 |
|  | at 460/480V | hp | 7.5 |
|  | at $575 / 600 \mathrm{~V}$ | hp | 10 |
| Contact rating of auxiliary contacts according to UL |  |  | A600-P600 |

General USE
Contactor
AC current A 28
Other features
Pollution degree
Dimensions



Certifications and compliance
Certifications

|  | CSA C22.2 $\mathrm{n}^{\circ}$ 60947-1 |
| :---: | :---: |
|  | CSA C22.2 ${ }^{\circ}$ 60947-4-1 |
|  | IEC/EN 60947-1 |
|  | IEC/EN 60947-4-1 |
|  | UL 60947-1 |
|  | UL 60947-4-1 |
| Compliance |  |
|  | CCC |
|  | cULus |
|  | EAC |

ETIM 6 classification
EC000066 - Power contactor, AC switching

