



| Product designation | | | Power contactor |
|--|-----------------------------------|-----|-----------------|
| Product type designation | | | BF18 |
| Contact characteristics | | | |
| Number of poles | | Nr. | 4 |
| Rated insulation voltage Ui IEC/EN | | V | 690 |
| Rated impulse withstand voltage Uimp | | kV | 6 |
| Operational frequency | | | |
| | min | Hz | 25 |
| | max | Hz | 400 |
| IEC Conventional free air thermal current Ith | | A | 32 |
| Operational current le | 10 1 (2100) | ٨ | 20 |
| | AC-1 (≤40°C) | A | 32 |
| | AC-1 (≤55°C) | A | 26 |
| | AC-1 (≤70°C) | A | 23 |
| | AC-3 (≤440V ≤55°C) AC-4 (400V) | A | 18 |
| Rated operational power AC-1 (T≤40°C) | AC-4 (400V) | A | 8.5 |
| | 230V | kW | 12 |
| | 230V 400V | kW | 21 |
| | 400V 500V | kW | 26 |
| | 690V | kW | 36 |
| IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series | 030 v | | 50 |
| | ≤24V | А | 17 |
| | 48V | A | 15 |
| | 48V 75V | A | 15 |
| | 110V | A | 6 |
| | 220V | A | _ |
| IEC max current le in DC1 with $L/R \le 1$ ms with 2 poles in series | | | |
| | ≤24V | А | 20 |
| | 48V | A | 20 |
| | 75V | А | 20 |
| | 110V | А | 13 |
| | 220V | А | 1 |
| IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series | | | |
| | ≤24V | А | 22 |
| | 48V | А | 22 |
| | 75V | А | 20 |
| | 110V | А | 16 |
| | 220V | А | 11 |
| IEC max current le in DC1 with $L/R \le 1$ ms with 4 poles in series | | | |
| | ≤24V | А | 22 |
| | 48V | А | 22 |
| | 75V | А | 20 |
| | 110V | А | 18 |
| | 220V | А | 13 |



| | IEC max current le in DC3-DC5 with L/R ≤ 15ms with 1 poles in series | | | |
|---|---|---------------------------------|------|-----|
| $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | The max current le in DOS-DOS with $L/R \ge 15005$ with 1 poles in series | /4//</td <td>Δ</td> <td>12</td> | Δ | 12 |
| $ \begin{array}{c c c c c c c c c c c c c c c c c c c $ | | | | |
| EC max current le in DC3-DC5 with L/R < 15ms with 2 poles in series $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$ | | | | |
| EC max current le in DC3-DC5 with L/R ≤ 15ms with 2 poles in series S24V A 15 48V A 13 T5V A 13 110V A 8 220V A 2 EC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series S24V A 18 48V A 18 75V A 16 110V A 12 220V A 6 EC max current le in DC3-DC5 with L/R ≤ 15ms with 4 poles in series S24V A 18 75V A 16 110V A 12 220V A 6 EC max current le in DC3-DC5 with L/R ≤ 15ms with 4 poles in series S24V A 18 75V A 18 75V A 18 75V A 18 75V A 18 76V A 18 7 | | | | |
| EC max current le in DC3-DC5 with L/R ≤ 15ms with 2 poles in series $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$ | | | | |
| $\begin{aligned} & \leq 24 \vee & A & 15 \\ & 48 \vee & A & 13 \\ & 75 \vee & A & 13 \\ & 110 \vee & A & 8 \\ & 220 \vee & A & 2 \\ \hline \\ EC max current le in DC3-DC5 with L/R \leq 15ms with 3 poles in series \\ & \leq 24 \vee & A & 18 \\ & 48 \vee & A & 18 \\ & 75 \vee & A & 16 \\ & 110 \vee & A & 12 \\ & 220 \vee & A & 6 \\ \hline \\ EC max current le in DC3-DC5 with L/R \leq 15ms with 4 poles in series \\ & \leq 24 \vee & A & 18 \\ & 48 \vee & A & 18 \\ & 75 \vee & A & 6 \\ \hline \\ EC max current le in DC3-DC5 with L/R \leq 15ms with 4 poles in series \\ & \leq 24 \vee & A & 18 \\ & 48 \vee & A & 18 \\ & 75 \vee & A & 16 \\ & 110 \vee & A & 12 \\ \hline \\ 220 \vee & A & 6 \\ \hline \\ EC max current le in DC3-DC5 with L/R \leq 15ms with 4 poles in series \\ & \leq 24 \vee & A & 18 \\ & 48 \vee & A & 18 \\ & 48 \vee & A & 18 \\ \hline \\ & 75 \vee & A & 16 \\ \hline \\ & 110 \vee & A & 12 \\ \hline \\ & 220 \vee & A & 6 \\ \hline \\ \hline \\ Protection fuse \\ \hline \\ \hline \\ Protection fuse \\ \hline \\ \hline \\ \hline \\ Protection fuse \\ \hline \\ \hline \\ \hline \\ Protection fuse \\ \hline \\ \hline \\ \hline \\ Protection fuse \\ \hline \\ \hline \\ \hline \\ \hline \\ Protection fuse \\ \hline \\ $ | EC max current le in DC3-DC5 with $L/R \le 15$ ms with 2 poles in series | | | |
| 75V A 13 110V A 8 220V A 2 EC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series \$24V A 18 48V A 18 10V A 12 220V A 6 10V A 12 220V A 6 10V A 18 48V A 18 48V A 18 75V A 6 10V A 12 220V A 6 10V A 18 48V A 18 75V A 16 110V A 13 220V A 8 Short-time allowable current for 10s (IEC/EN60947-1) A 20 20 Protection fuse gG (IEC) A 32 20 Making capacity RV value) A 144 500V A 142 Short-time allowable current for 10s (IEC/EN60947-1) | | ≤24V | А | 15 |
| $ \frac{110V}{220V} = A = 8 \\ 220V = A = 2 \\ 220V = A = 18 \\ 48V = A = 18 \\ 48V = A = 18 \\ 48V = A = 18 \\ 75V = A = 16 \\ 110V = A = 12 \\ 220V = A = 6 \\ 110V = A = 18 \\ 48V = A = 18 \\ 75V = A = 18 \\ 48V = A = 18 \\ 75V = 18 \\ 75V$ | | 48V | А | 13 |
| 220VA2EC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series $\leq 24V$ A1848VA1875VA16110VA12220VA6EC max current le in DC3-DC5 with L/R ≤ 15ms with 4 poles in series $\leq 24V$ A1848VA1875VA16110VA13220VA85hort-time allowable current for 10s (IEC/EN60947-1)A200rotection fusegG (IEC)A32adM (IEC)A20Atking capacity (RMS value)A1803reaking capacity at voltage440VA144500VA120690VA94Resistance per pole (average value)mQ2.5Power dissipation per pole (average value)mN1.5rightening torque for coil terminalsminNm1.5rightening torque for coil terminalminNm1.5rightening torque for coil terminalminNm1.5Atka number of wires simultaneously connectableNr.2Conductor sectionMG/Kcmilmax10Flexible w/o lug conductor sectionmax10 | | 75V | А | 13 |
| EC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series $\begin{array}{c} \leq 24V & A & 18 \\ 48V & A & 18 \\ 75V & A & 16 \\ 110V & A & 12 \\ 220V & A & 6 \end{array}$ EC max current le in DC3-DC5 with L/R ≤ 15ms with 4 poles in series $\begin{array}{c} \leq 24V & A & 18 \\ 48V & A & 18 \\ 75V & A & 16 \\ 110V & A & 13 \\ 220V & A & 8 \end{array}$ Short-time allowable current for 10s (IEC/EN60947-1) & A & 200 \end{array} Protection fuse $\begin{array}{c} gG (IEC) & A & 32 \\ aM (IEC) & A & 20 \end{array}$ A the series of the serie | | 110V | А | 8 |
| $ \begin{array}{c c c c c c c c c c c c c c c c c c c $ | | 220V | А | 2 |
| $ \begin{array}{c c c c c c c c c c c c c c c c c c c $ | EC max current le in DC3-DC5 with $L/R \le 15$ ms with 3 poles in series | | | |
| $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | | ≤24V | А | 18 |
| $\frac{110V}{200} A = 12$ $\frac{220V}{A} = 6$ EC max current le in DC3-DC5 with L/R ≤ 15ms with 4 poles in series $\frac{524V}{A} = 18$ $\frac{48V}{A} = 18$ $\frac{48V}{A} = 18$ $\frac{48V}{A} = 18$ $\frac{75V}{A} = 16$ $\frac{110V}{A} = 13$ $\frac{220V}{A} = 8$ $\frac{20V}{A} = 4$ $\frac{20}{A}$ $\frac{440V}{A} = 144$ $\frac{500V}{A} = 4$ $\frac{440V}{A} = 144$ $\frac{500V}{A} = 4$ $\frac{20}{A}$ $\frac{440V}{A} = 144$ $\frac{500V}{A} = 4$ $\frac{20}{A}$ $\frac{440V}{A} = 144$ $\frac{144}{A}$ $\frac{500V}{A} = 4$ $\frac{440V}{A} = 144$ $\frac{144}{A}$ | | 48V | А | 18 |
| 220VA6EC max current le in DC3-DC5 with L/R ≤ 15ms with 4 poles in series\$24VA18\$24VA1875VA16\$48VA13220VA8Short-time allowable current for 10s (IEC/EN60947-1)A200200Protection fusegG (IEC)A3232adking capacity (RMS value)A1803232Breaking capacity at voltageA144500VA120Power dissipation per pole (average value)mΩ2.52.5Power dissipation per pole (average value)mΩ2.53Protection fusemΩ1.51.1maxProtection fuseminNm1.51.3Protection fuseminNm1.5maxNmResistance per pole (average value)minNm1.51.4Protection fuseminNm1.51.4Protection fuseminNm1.51.4Protection fuseminNm1.51.4Protection fuseminNm1.51.4Protection fuseminNm1.51.4Protection fuseminNm1.51.4Protection fuseminNm1.51.4Protection fuseminNm1.51.4Protection fuseminNm1.51.4Protection fusemaxNm11.4 | | 75V | А | 16 |
| EC max current le in DC3-DC5 with L/R ≤ 15ms with 4 poles in series $\begin{array}{cccccccccccccccccccccccccccccccccccc$ | | 110V | А | 12 |
| $ \begin{array}{c c c c c c c } & & & & & & & & & & & & & & & & & & &$ | | 220V | Α | 6 |
| 48V A 18 75V A 16 75V A 13 220V A 8 Short-time allowable current for 10s (IEC/EN60947-1) A 200 Protection fuse gG (IEC) A 32 adM (IEC) A 20 A 8 Protection fuse gG (IEC) A 32 adM (IEC) A 20 A 180 Breaking capacity at voltage A 180 A 120 G90V A 94 500V A 120 690V A 94 A 32 Power dissipation per pole (average value) mC 2.5 AC-3 W 0.8 Prower dissipation per pole (average value) min Nm 1.5 max Nm 1.5 Fightening torque for coil terminals min Nin 1.5 Nin 1.5 Fightening torque for coil terminal min Nin 0.8 max | EC max current le in DC3-DC5 with $L/R \le 15$ ms with 4 poles in series | | | |
| $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | | ≤24V | А | 18 |
| $\begin{array}{c c c c c c } 110V & A & 13\\ 220V & A & 8\\ \hline \end{array}$ | | 48V | А | 18 |
| 220V A 8 Short-time allowable current for 10s (IEC/EN60947-1) A 200 Protection fuse gG (IEC) A 32 aM (IEC) A 200 Making capacity (RMS value) A 180 Breaking capacity at voltage 440V A 144 500V A 120 690V A 94 Resistance per pole (average value) mΩ 2.5 2.5 Power dissipation per pole (average value) mLh W 2.6 AC-3 W 0.8 1.1 Fightening torque for terminals min Nm 1.5 max Nm 1.5 max Nm Fightening torque for coil terminal min Nm 1.5 Fightening torque for coil terminal min Nm 0.8 Max number of wires simultaneously connectable Nr. 2 2 Conductor section max 10 min 10 | | | А | 16 |
| Short-time allowable current for 10s (IEC/EN60947-1) A 200 Protection fuse gG (IEC) A 32 aM (IEC) A 180 Breaking capacity (RMS value) A 180 Breaking capacity at voltage 440V A 144 500V A 120 690V A 94 Resistance per pole (average value) mΩ 2.5 690V A 94 Power dissipation per pole (average value) mI W 2.6 AC-3 W 0.8 Tightening torque for terminals min Nm 1.5 max Nm 1.8 Fightening torque for coil terminal min Nm 1.5 Nmax Nm 1.5 Fightening torque for coil terminal min Nm 0.8 max Nm 1.5 Giftetening torque for coil terminal min Nm 0.8 max Nin 0.8 Max number of wires simultaneously connectable Nr. 2 2 2 2 < | | 110V | А | 13 |
| Protection fuse | | 220V | Α | |
| gG (IEC) A 32 add (IEC) A 20 Making capacity (RMS value) A 180 Breaking capacity at voltage 440V A 144 500V A 120 690V A 94 Resistance per pole (average value) mΩ 2.5 5 Power dissipation per pole (average value) Ith W 2.6 AC-3 W 0.8 Fightening torque for terminals min Nm 1.5 Fightening torque for coil terminal min 1.1 1.5 Fightening torque for coil terminal min 1.6 1.1 Max Nm 1.5 1.1 Trightening torque for coil terminal min 1.1 1.5 Fightening torque for coil terminal min 1.1 1.5 Max number of wires simultaneously connectable Nr. 2 2 Conductor section MG/Kcmil max 10 Flexible w/o lug conductor section max 10 | Short-time allowable current for 10s (IEC/EN60947-1) | | Α | 200 |
| aM (IEC) A 20 Making capacity (RMS value) A 180 Breaking capacity at voltage 440V A 144 500V A 120 690V A 94 Resistance per pole (average value) mΩ 2.5 690V A 94 Power dissipation per pole (average value) mΩ 2.6 AC-3 W 0.8 Fightening torque for terminals min Nm 1.5 max Nm 1.8 Fightening torque for coil terminal min Nm 1.5 max Nm 1.8 Fightening torque for coil terminal min lbin 1.1 max lbin 1.5 Fightening torque for coil terminal min Nm 0.8 max Nm 1 Max number of wires simultaneously connectable Nr. 2 Conductor section Nr. 2 Conductor section Max function section max 10 10 10 | Protection fuse | | | |
| Making capacity (RMS value) A 180 Breaking capacity at voltage 440V A 144 S00V A 120 690V A 94 Resistance per pole (average value) mΩ 2.5 2.5 Power dissipation per pole (average value) Ith W 2.6 AC-3 W 0.8 0.8 Fightening torque for terminals min Nm 1.5 Fightening torque for coil terminal min Nm 1.5 Fightening torque for coil terminal min Nm 1.5 Conductor section Max number of wires simultaneously connectable Nr. 2 Conductor section AWG/Kcmil max 10 Flexible w/o lug conductor section max 10 | | gG (IEC) | А | |
| Breaking capacity at voltage 440V A 144 500V A 120 690V A 94 Resistance per pole (average value) Power dissipation per pole (average value) mΩ 2.5 Power dissipation per pole (average value) Ith W 2.6 AC-3 W 0.8 Fightening torque for terminals min Nm 1.5 Tightening torque for coil terminal min 1.1 1.5 Tightening torque for coil terminal min Nm 1.8 Max Nm 1.5 1.5 Tightening torque for coil terminal min Nm 0.8 Max number of wires simultaneously connectable Nr. 2 Conductor section AWG/Kcmil Nr. 2 Enclose w/o lug conductor section | | aM (IEC) | | |
| 440V A 144 500V A 120 690V A 94 Resistance per pole (average value) mΩ 2.5 Power dissipation per pole (average value) Ith W 2.6 AC-3 W 0.8 111 Fightening torque for terminals min Nm 1.5 min lbin 1.1 max lbin 1.5 Fightening torque for coil terminal min Nm 1.8 min lbin 1.5 Fightening torque for coil terminal min Nm 0.8 max Nm 1 Conductor section Max number of wires simultaneously connectable Nr. 2 2 2 Conductor section AWG/Kcmil Max 10 10 10 | | | Α | 180 |
| $ \begin{array}{c c c c c c c } & 500V & A & 120 \\ \hline 690V & A & 94 \\ \hline \\ $ | Breaking capacity at voltage | | | |
| 690V A 94 Resistance per pole (average value) mΩ 2.5 Power dissipation per pole (average value) Ith W 2.6 AC-3 W 0.8 Fightening torque for terminals min Nm 1.5 max Nm 1.8 min 1.0 Fightening torque for coil terminal min 1.5 1.5 Fightening torque for coil terminal min 1.6 1.5 Fightening torque for coil terminal min 1.6 0.8 Max number of wires simultaneously connectable Nr. 2 Conductor section AWG/Kcmil Xr. 2 Example Max 10 | | | А | |
| Resistance per pole (average value) mΩ 2.5 Power dissipation per pole (average value) Ith W 2.6 AC-3 W 0.8 Fightening torque for terminals min Nm 1.5 max Nm 1.8 min Ibin 1.1 max Ibin 1.1 max Ibin 1.5 Fightening torque for coil terminal min Nm 0.8 max Nm 1 Fightening torque for coil terminal min Nm 0.8 max Nm 1 Max number of wires simultaneously connectable Nr. 2 2 2 Conductor section AWG/Kcmil max 10 10 | | | А | |
| Power dissipation per pole (average value) Ith W 2.6 AC-3 W 0.8 Fightening torque for terminals min Nm 1.5 max Nm 1.8 min Ibin 1.1 max Ibin 1.5 1.5 1.5 Fightening torque for coil terminal min Nm 0.8 Fightening torque for coil terminal min Nm 0.8 Max number of wires simultaneously connectable Nr. 2 Conductor section AWG/Kcmil max 10 Flexible w/o lug conductor section max 10 | | 690V | | |
| Ith W 2.6 AC-3 W 0.8 Fightening torque for terminals min Nm 1.5 max Nm 1.8 min Ibin 1.1 max Ibin 1.1 max Ibin 1.5 Fightening torque for coil terminal min Nm 0.8 Fightening torque for coil terminal min Nm 0.8 Max number of wires simultaneously connectable Nr. 2 Conductor section AWG/Kcmil max 10 Flexible w/o lug conductor section To To | | | mΩ | 2.5 |
| AC-3 W 0.8 Fightening torque for terminals min Nm 1.5 max Nm 1.8 min Ibin 1.1 max Ibin 1.1 max Ibin 1.5 Fightening torque for coil terminal min Nm 0.8 0.8 Fightening torque for coil terminal min Nm 0.8 Max number of wires simultaneously connectable Nr. 2 Conductor section AWG/Kcmil max 10 Flexible w/o lug conductor section | Power dissipation per pole (average value) | | | |
| Fightening torque for terminals min Nm 1.5 max Nm 1.8 min Ibin 1.1 max Ibin 1.5 1.5 Fightening torque for coil terminal min Nm 0.8 min Ibin 0.8 max Ibin 0.8 min Ibin 0.74 Max number of wires simultaneously connectable Nr. 2 Conductor section AWG/Kcmil max 10 Flexible w/o lug conductor section To To | | | | |
| min Nm 1.5 max Nm 1.8 min Ibin 1.1 max Ibin 1.5 Tightening torque for coil terminal Tightening torque for coil terminal Min Nm 0.8 max Nm 1 min Ibin 0.8 max Ibin 0.74 Max number of wires simultaneously connectable Nr. 2 Conductor section AWG/Kcmil Max 10 Flexible w/o lug conductor section | | AC-3 | W | 0.8 |
| maxNm1.8minIbin1.1maxIbin1.5Fightening torque for coil terminalminNm0.8maxNm1minIbin0.8maxIbin0.74Max number of wires simultaneously connectableNr.2Conductor sectionMKG/Kcmilmax10Flexible w/o lug conductor sectionToTo | Tightening torque for terminals | | | |
| min Ibin 1.1 max Ibin 1.5 Tightening torque for coil terminal min Nm 0.8 max Nm 1 min Ibin 0.8 max Ibin 0.8 max Ibin 0.8 max Ibin 0.74 Max number of wires simultaneously connectable Nr. 2 Conductor section AWG/Kcmil max 10 Flexible w/o lug conductor section To To | | min | | |
| max Ibin 1.5 Fightening torque for coil terminal min Nm 0.8 max Nm 1 min Ibin 0.8 max Ibin 0.74 Max number of wires simultaneously connectable Nr. 2 Conductor section AWG/Kcmil max 10 Flexible w/o lug conductor section To 10 | | | | |
| Fightening torque for coil terminal min Nm 0.8 max Nm 1 min Ibin 0.8 max Ibin 0.74 Max number of wires simultaneously connectable Nr. 2 Conductor section AWG/Kcmil max 10 Flexible w/o lug conductor section To To | | | | |
| min Nm 0.8 max Nm 1 min Ibin 0.8 max Ibin 0.8 max Ibin 0.74 Max number of wires simultaneously connectable Nr. 2 Conductor section AWG/Kcmil max 10 Flexible w/o lug conductor section Ibin 10 | | max | Ibin | 1.5 |
| max Nm 1 min Ibin 0.8 max Ibin 0.74 Max number of wires simultaneously connectable Nr. 2 Conductor section AWG/Kcmil max 10 Flexible w/o lug conductor section Item to the section Item to the section | Lightening torque for coil terminal | | | |
| min lbin 0.8 max lbin 0.74 Max number of wires simultaneously connectable Nr. 2 Conductor section AWG/Kcmil max 10 Flexible w/o lug conductor section Imax 10 | | | | |
| max lbin 0.74 Max number of wires simultaneously connectable Nr. 2 Conductor section AWG/Kcmil max 10 Flexible w/o lug conductor section Imax 10 | | | | |
| Max number of wires simultaneously connectable Nr. 2 Conductor section AWG/Kcmil max 10 Flexible w/o lug conductor section 10 | | | | |
| Conductor section AWG/Kcmil max 10 Flexible w/o lug conductor section | | max | | |
| AWG/Kcmil max 10 Flexible w/o lug conductor section | • | | Nr. | 2 |
| max 10 Flexible w/o lug conductor section | | | | |
| Flexible w/o lug conductor section | AWG/Kcmil | | | |
| • | | max | | 10 |
| min mm² 1 | Flexible w/o lug conductor section | | - | |
| | | min | mm² | 1 |



BF18T4A230V260 FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 32A, AC COIL 50/60HZ,

230VAC - IEC/EN/BS 60335-1

| | | | | _ | |
|------------------------|---------------------------------|---------------------|-----------------|----------|-----------------------------|
| | | | max | mm² | 6 |
| | Flexible c/w lug conduc | tor section | | | |
| | | | min | mm² | 1 |
| | F 1. 11. 10. 1. 1. 1. 1. | | max | mm² | 4 |
| | Flexible with insulated s | spade lug conductor | | | 4 |
| | | | min | mm² | 1 |
| | | | max | mm² | 4 |
| Power terminal protec | tion according to IEC/EN | 60529 | | | IP20 when properly wired |
| Mechanical features | | | | | property writed |
| Operating position | | | | | |
| | | | normal | | Vertical plan |
| | | | allowable | | ±30° |
| | | | | | Screw / DIN rail |
| Fixing | | | | | 35mm |
| Weight | | | | g | 360 |
| Conductor section | | | | 0 | |
| | AWG/kcmil conductor s | ection | | | |
| | | | max | | 10 |
| Operations | | | | | |
| Mechanical life | | | | cycles | 2000000 |
| Electrical life | | | | cycles | 1600000 |
| Safety related data | | | | ý | |
| Performance level B1 | 0d according to EN/ISO 1 | 3489-1 | | | |
| | 0 | | rated load | cycles | 1600000 |
| | | | mechanical load | cycles | 20000000 |
| Mirror contats accordi | ng to IEC/EN 609474-4-1 | | | | yes |
| EMC compatibility | | | | | yes |
| AC coil operating | | | | | |
| Rated AC voltage at 6 | 0Hz | | | V | 230 |
| AC operating voltage | | | | | |
| | of 60Hz coil powered a | t 60Hz | | | |
| | | pick-up | | | |
| | | | min | %Us | 80 |
| | | | max | %Us | 110 |
| | | drop-out | | | |
| | | | min | %Us | 20 |
| | | | max | %Us | 55 |
| AC average coil consu | • | | | | |
| | of 60Hz coil powered a | t 60Hz | | | |
| | | | in-rush | VA | 75 |
| | | | holding | VA | 9 |
| Dissipation at holding | ≤20°C 50Hz | | | W | 2.5 |
| Max cycles frequency | | | | | |
| Mechanical operation | | | | cycles/h | 3600 |
| Operating times | ontrol | | | | |
| Average time for Us co | | | | | |
| | in AC | | | | |
| | | Closing NO | | me | 0 |
| | | | min | ms | 8 24 |
| | | Opening NO | max | ms | 2 4 |
| | | | min | ms | 10 |
| | | | max | ms | 20 |
| | | | mdx | 1115 | 20 |

BF18T4A230V260 The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding

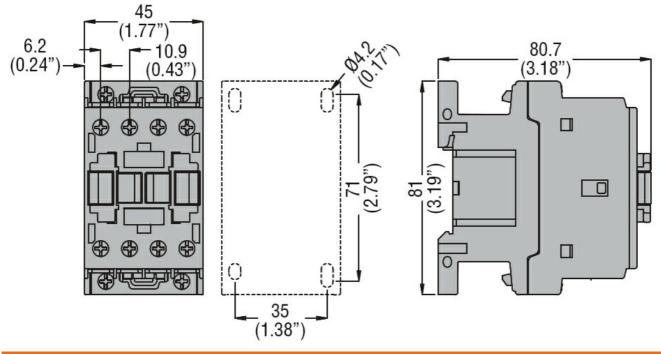
BF18T4A230V260



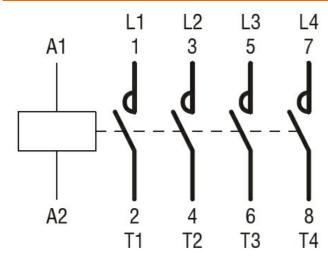
FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 32A, AC COIL 50/60HZ, 230VAC - IEC/EN/BS 60335-1

| | Closing NC | min | ms | 14 |
|-----------------------------------|--|---|--------------------------------|--|
| | | max | ms | 28 |
| | Opening NC | | | |
| | | min | ms | 7 |
| UL technical data | | max | ms | 18 |
| | .) for three-phase AC motor | | | |
| | | at 480V | А | 14 |
| | | at 600V | A | 17 |
| Yielded mechanical p | erformance | | | |
| | for single-phase AC motor | | | |
| | | 110/120V | HP | 1 |
| | | 230V | HP | 3 |
| | for three-phase AC motor | | | |
| | | 200/208V | HP | 5 |
| | | 220/230V | HP | 5 |
| | | 460/480V | HP HP | 10 |
| General USE | | 575/600V | | 15 |
| General USE | Contactor | | | |
| | Contactor | AC current | А | 32 |
| Short-circuit protectio | n fuse. 600V | | ,, | 02 |
| | High fault | | | |
| | 5 | | | 400 |
| | | Short circuit current | kA | 100 |
| | | Short circuit current Fuse rating | kA A | 60 |
| | | | | |
| | Standard fault | Fuse rating Fuse class | A | 60 J |
| | Standard fault | Fuse rating Fuse class Short circuit current | A kA | 60 J 5 |
| | Standard fault | Fuse rating Fuse class | A | 60 J |
| Ambient conditions | Standard fault | Fuse rating Fuse class Short circuit current | A kA | 60 J 5 |
| Ambient conditions Temperature | | Fuse rating Fuse class Short circuit current | A kA | 60 J 5 |
| | Standard fault Operating temperature | Fuse rating Fuse class Short circuit current Fuse rating | A kA A | 60 J 5 80 |
| | | Fuse rating Fuse class Short circuit current Fuse rating min | A kA A °C | 60 J 5 80 -50 |
| | Operating temperature | Fuse rating Fuse class Short circuit current Fuse rating | A kA A | 60 J 5 80 |
| | | Fuse rating Fuse class Short circuit current Fuse rating min max | A kA A °C °C | 60 J 5 80 -50 70 |
| | Operating temperature | Fuse rating Fuse class Short circuit current Fuse rating min | A kA A °C | 60 J 5 80 -50 |
| | Operating temperature | Fuse rating Fuse class Short circuit current Fuse rating min max | A kA A °C °C °C | 60 J 5 80 -50 70 -60 |
| Temperature | Operating temperature Storage temperature | Fuse rating Fuse class Short circuit current Fuse rating min max | A kA A °C °C °C | 60 J 5 80 -50 70 -60 80 |
| Temperature Max altitude | Operating temperature Storage temperature | Fuse rating Fuse class Short circuit current Fuse rating min max | A kA A °C °C °C | 60 J 5 80 -50 70 -60 80 |

Lovato electric



Wiring diagrams



Certifications and compliance

| Compliance | | |
|---------------------|------------------------|--|
| - | CSA C22.2 n° 60947-1 | |
| | CSA C22.2 n° 60947-4-1 | |
| | IEC/EN/BS 60335-1 | |
| | IEC/EN/BS 60947-1 | |
| | IEC/EN/BS 60947-4-1 | |
| | UL 60947-1 | |
| | UL 60947-4-1 | |
| Certificates | | |
| | CCC | |
| | cULus | |
| | EAC | |
| ETIM classification | | |
| ETIM 8.0 | | EC000066 - Power contactor, AC switching |