



			10 10 10 IC
Product designation			Power contactor
Product type designation			BF18
Contact characteristics			
Number of poles		Nr.	3
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		А	32
Operational current le			
	AC-1 (≤40°C)	А	32
	AC-1 (≤55°C)	А	26
	AC-1 (≤70°C)	А	23
	AC-3 (≤440V ≤55°C)	А	18
	AC-4 (400V)	А	8.5
Rated operational power AC-3 (T≤55°C)			
	230V	kW	4
	400V	kW	7.5
	415V	kW	9
	440V	kW	9
	500V	kW	10
	690V	kW	10
Rated operational power AC-1 (T≤40°C)			
	230V	kW	12
	400V	kW	21
	500V	kW	26
	690V	kW	36
IEC max current le in DC1 with $L/R \le 1$ ms with 1 poles in series			
	≤24V	А	17
	48V	А	15
	75V	А	15
	110V	А	6
	220V	A	-
IEC max current le in DC1 with $L/R \le 1$ ms with 2 poles in series			
	≤24V	А	20
	48V	А	20
	75V	A	20
	110V	A	13
	220V	A	1
IEC max current le in DC1 with $L/R \le 1$ ms with 3 poles in series			
	≤24V	Α	22

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22

20

16

А

А

А

48V

75V

110V

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Three-pole contactor, IEC operating current le (AC3) = 18A, AC coil 50/60Hz, 110VAC, 1NC auxiliary contact

IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series       \$24V       A       22         48V       A       22         75V       A       20         110V       A       18         220V       A       13         IEC max current le in DC3-DC5 with L/R ≤ 15ms with 1 poles in series       \$24V       A       12         48V       A       12       48V       A       12         48V       A       12       220V       A       11         110V       A       2       220V       A       -         IEC max current le in DC3-DC5 with L/R ≤ 15ms with 2 poles in series       \$24V       A       15         48V       A       13       75V       A       13         110V       A       8       220V       A       2         IEC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series       \$24V       A       18         75V       A       12       220V       A       6         IEC max current le in DC3-DC5 with L/R ≤ 15ms with 4 poles in series       \$24V       A       18         75V       A       16       110V       A       12         220V       A       6 <th></th> <th></th> <th>-</th> <th></th>			-	
		220V	A	11
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	The max current is in DC1 with $L/R \le 1$ ms with 4 poles in series		۸	22
$\begin{array}{c c c c c c c c c c c c c c c c c c c $				
$\begin{array}{c c c c c c c c c c c c c c c c c c c $				
220VA13IEC max current le in DC3-DC5 with L/R ≤ 15ms with 1 poles in series\$24VA1248VA11110VA2220VA-IEC max current le in DC3-DC5 with L/R ≤ 15ms with 2 poles in series\$24VA13524VA13110VA8220VA13110VA8220VA2IEC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series\$24VA18110VA8220VA16110VA12220VA6IEC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series\$24VA1848VA1848VA18110VA12220VA6IEC max current le in DC3-DC5 with L/R ≤ 15ms with 4 poles in series\$24VA1848VA18110VA12220VA616110VA1875VA16110VA20Protection fusegG (IEC)A32gG (IEC)A32Making capacity (RMS value)A180Breaking capacity (RMS value)M144Stort-time allowable current for 10s (IEC/EN60947-1)M2.5Power dissipation per pole (average value)mQ2.5Power dissipa				
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 1 poles in series				
$\begin{aligned} &\leq 24 \vee & A & 12 \\ &48 \vee & A & 11 \\ &75 \vee & A & 11 \\ &110 \vee & A & 2 \\ &220 \vee & A & - \end{aligned}$ IEC max current le in DC3-DC5 with L/R < 15ms with 2 poles in series $\begin{aligned} &\leq 24 \vee & A & 15 \\ &48 \vee & A & 13 \\ &75 \vee & A & 13 \\ &110 \vee & A & 8 \\ &220 \vee & A & 2 \end{aligned}$ IEC max current le in DC3-DC5 with L/R < 15ms with 3 poles in series $\begin{aligned} &\leq 24 \vee & A & 18 \\ &48 \vee & A & 18 \\ &48 \vee & A & 18 \\ &75 \vee & A & 16 \\ &110 \vee & A & 12 \\ &220 \vee & A & 18 \\ &48 \vee & A & 18 \\ &75 \vee & A & 16 \\ &110 \vee & A & 12 \\ &220 \vee & A & 6 \\ \end{aligned}$ IEC max current le in DC3-DC5 with L/R < 15ms with 4 poles in series $\begin{aligned} &\leq 24 \vee & A & 18 \\ &48 \vee & A & 18 \\ &75 \vee & A & 16 \\ &110 \vee & A & 12 \\ &220 \vee & A & 6 \\ \end{aligned}$ IEC max current le in DC3-DC5 with L/R < 15ms with 4 poles in series $\begin{aligned} &\leq 224 \vee & A & 18 \\ &48 \vee & A & 18 \\ &75 \vee & A & 16 \\ &110 \vee & A & 12 \\ &220 \vee & A & 6 \\ \end{aligned}$ IEC max current le in DC3-DC5 with L/R < 15ms with 4 poles in series $\begin{aligned} &\leq 24 \vee & A & 18 \\ &48 \vee & A & 18 \\ &75 \vee & A & 16 \\ &110 \vee & A & 12 \\ &220 \vee & A & 6 \\ \end{aligned}$ IEC max current for 10s (IEC/EN60947-1) A & 200 Protection fuse $\begin{aligned} &\qquad & gG (IEC) & A & 20 \\ \hline Making capacity (RMS value) & A & 180 \\ \hline Breaking capacity at voltage & & & & & & & & & & & & & & & & & & &$	IEC max current le in DC3 DC5 with $1/P < 15$ ms with 1 poles in series	2200	A	13
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	The max current le in Des-Des with L/K is 15ms with 1 poles in series	<2411	٨	12
$\begin{array}{cccccccccccccccccccccccccccccccccccc$				
$\begin{array}{c c c c c c c c c c c c c c c c c c c $				
$\begin{array}{c c c c c c c c c c c c c c c c c c c $				
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 2 poles in series				
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	IEC max current le in DC3-DC5 with $1/R \le 15$ ms with 2 poles in series	2201		
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		<24\/	Δ	15
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$				
$\begin{array}{c c c c c c c c c c c c c c c c c c c $				
$\begin{array}{c c c c c c c c c c c c c c c c c c c $				
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series $≤24V$ A18 48VA18 75VA16 110VA12 220VA6IEC max current le in DC3-DC5 with L/R ≤ 15ms with 4 poles in series $≤24V$ A18 48VA18 75VA16 110VA13 220VA8Short-time allowable current for 10s (IEC/EN60947-1)A200Protection fuseGG (IEC)A32 ad (IEC)A180Breaking capacity (RMS value)A180500VA120 690V690VA120 690V690VA120 690V690VA120 690V690VA120 690V690VA120 690V690VA120 690V690VA120 690V690VA120 690V690VA120 690V690VA120 690V690VA120 690V690VA120 690VA120 690V690VA120 690V690VA120 690V690VA120 690V690VA13 120110VA13 120110VA110VA120 120110VA120 120110VA120 120110VA120 120110V				
$ \begin{array}{c cccc} \leq 24V & A & 18 \\ 48V & A & 18 \\ 75V & A & 16 \\ 110V & A & 12 \\ 220V & A & 6 \end{array} \end{array} $	IEC max current le in DC3-DC5 with L/R $\leq$ 15ms with 3 poles in series	2201		-
$ \begin{array}{cccc} 48V & A & 18 \\ 75V & A & 16 \\ 110V & A & 12 \\ 220V & A & 6 \end{array} \end{array} $		≤24V	А	18
$\begin{array}{cccccccccccccccccccccccccccccccccccc$				
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$				
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$\begin{tabular}{ c c c c c c c c c c c c c c c c c c c$				
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	IEC max current le in DC3-DC5 with L/R ≤ 15ms with 4 poles in series			
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		≤24V	А	18
75V         A         16           110V         A         13           220V         A         8           Short-time allowable current for 10s (IEC/EN60947-1)         A         200           Protection fuse         gG (IEC)         A         32           aMking 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           Power dissipation per pole (average value)         mΩ         2.5           Power dissipation per pole (average value)         min         1.5           Tightening torque for terminals         min         Nm         1.5           Tightening torque for coil terminal         min         Nm         1.5				
110V         A         13           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         Power dissipation per pole (average value)				
220V         A         8           Short-time allowable current for 10s (IEC/EN60947-1)         A         200           Protection fuse         gG (IEC)         A         32           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           Power dissipation per pole (average value)         Ith         W         2.6           AC3         W         0.8         1.5           Tightening torque for terminals         min         Nm         1.5           Tightening torque for coil terminal         min         Nm         1.5           Tightening torque for coil terminal         min         Nm         1.5		110V		
Short-time allowable current for 10s (IEC/EN60947-1)         A         200           Protection fuse         gG (IEC)         A         32           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         Power dissipation per pole (average value)         mΩ         2.5           Power dissipation per pole (average value)         Ith         W         2.6           AC3         W         0.8         Tightening torque for terminals         min         Nm         1.5           Tightening torque for coil terminal         min         Nm         1.5         Tightening torque for coil terminal         min         Nm         1.5				
Protection fuse       gG (IEC)       A       32         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         Power dissipation per pole (average value)       Ith       W       2.6         AC3       W       0.8       11         Tightening torque for terminals       min       Nm       1.5         Tightening torque for coil terminal       min       Nm       1.5         Tightening torque for coil terminal       min       Nm       0.8	Short-time allowable current for 10s (IEC/EN60947-1)			
aM (IEC)A20Making capacity (RMS value)A180Breaking capacity at voltage440VA144500VA120690VA94Resistance per pole (average value)mΩ2.5Power dissipation per pole (average value)IthW2.6AC3W0.8Tightening torque for terminalsminNm1.5Tightening torque for coil terminalmin1.1maxTightening torque for coil terminalminNm1.5Tightening torque for coil terminalminNm1.5Tightening torque for coil terminalminNm1.5Tightening torque for coil terminalminNm0.8Tightening torque for coil terminalminNm1	Protection fuse			
aM (IEC)A20Making capacity (RMS value)A180Breaking capacity at voltage440VA144500VA120690VA94Resistance per pole (average value)mΩ2.5Power dissipation per pole (average value)IthW2.6AC3W0.8Tightening torque for terminalsminNm1.5Tightening torque for coil terminalmin1.1maxTightening torque for coil terminalminNm1.5Tightening torque for coil terminalminNm1.5Tightening torque for coil terminalminNm1.5Tightening torque for coil terminalminNm0.8Tightening torque for coil terminalminNm1		gG (IEC)	А	32
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       Power dissipation per pole (average value)         Power dissipation per pole (average value)       Ith       W       2.6         AC3       W       0.8         Tightening torque for terminals       min       Nm       1.5         Tightening torque for coil terminal       min       Nm       1.5         Tightening torque for coil terminal       min       Nm       1.5				
440V     A     144       500V     A     120       690V     A     94       Resistance per pole (average value)       Power dissipation per pole (average value)     Ith     W     2.5       Power dissipation per pole (average value)     Ith     W     2.6       AC3     W     0.8       Tightening torque for terminals     min     Nm     1.5       Tightening torque for coil terminal     min     1.1     max       Tightening torque for coil terminal     min     0.8	Making capacity (RMS value)	, , , , , , , , , , , , , , , , , , ,		180
500VA120690VA94Resistance per pole (average value)mΩ2.5Power dissipation per pole (average value)IthW2.6AC3W0.8Tightening torque for terminalsminNm1.5maxNm1.8minIbin1.1maxIbin1.5minIbin1.5Tightening torque for coil terminalminNm0.81.5Tightening torque for coil terminalminNm0.81.5Tightening torque for coil terminalminNm0.81.5Tightening torque for coil terminalminNm0.81	Breaking capacity at voltage			
500VA120690VA94Resistance per pole (average value)mΩ2.5Power dissipation per pole (average value)IthW2.6AC3W0.8Tightening torque for terminalsminNm1.5maxNm1.8minIbin1.1maxIbin1.5minIbin1.5Tightening torque for coil terminalminNm0.81.5Tightening torque for coil terminalminNm0.81.5Tightening torque for coil terminalminNm0.81.5Tightening torque for coil terminalminNm0.81		440V	А	144
Resistance per pole (average value)       mΩ       2.5         Power dissipation per pole (average value)       Ith       W       2.6         AC3       W       0.8         Tightening torque for terminals       min       Nm       1.5         min       Ibin       1.1         max       Ibin       1.5         Tightening torque for coil terminal       min       Nm       1.5         Tightening torque for coil terminal       min       Nm       0.8			А	
Power dissipation per pole (average value) Ith W 2.6 AC3 W 0.8 Tightening torque for terminals min Nm 1.5 max Nm 1.8 min Ibin 1.1 max Ibin 1.5 Tightening torque for coil terminal min Nm 0.8 max Nm 1		690V	А	94
Power dissipation per pole (average value) Ith W 2.6 AC3 W 0.8 Tightening torque for terminals min Nm 1.5 max Nm 1.8 min Ibin 1.1 max Ibin 1.5 Tightening torque for coil terminal min Nm 0.8 max Nm 1	Resistance per pole (average value)			
IthW2.6 AC3AC3W0.8Tightening torque for terminalsminNm1.5 maxminIbin1.1 max1.1 maxIbin1.5Tightening torque for coil terminalminNm0.8 maxMinNm0.8 maxNm1	Power dissipation per pole (average value)			
AC3       W       0.8         Tightening torque for terminals       min       Nm       1.5         max       Nm       1.8       min       Ibin       1.1         max       Ibin       1.5       1.5       1.5         Tightening torque for coil terminal       min       Nm       0.8         min       Nm       0.8       1         max       Nm       1       1	· · · · · · · · · · · · · · · · · · ·	lth	W	2.6
Tightening torque for terminals       min       Nm       1.5         max       Nm       1.8       min       Ibin       1.1         max       Ibin       1.5       1.5         Tightening torque for coil terminal       min       Nm       0.8         max       Nm       1		AC3		
min       Nm       1.5         max       Nm       1.8         min       Ibin       1.1         max       Ibin       1.5         Tightening torque for coil terminal       min       Nm       0.8         max       Nm       1	Tightening torque for terminals			
maxNm1.8minIbin1.1maxIbin1.5Tightening torque for coil terminalminNm0.8maxNm1		min	Nm	1.5
min     lbin     1.1       max     lbin     1.5       Tightening torque for coil terminal     min     Nm     0.8       max     Nm     1				
max     lbin     1.5       Tightening torque for coil terminal     min     Nm     0.8       max     Nm     1				
min Nm 0.8 max Nm 1		max	lbin	
max Nm 1	Tightening torque for coil terminal			
max Nm 1		min	Nm	0.8
min Ibin 0.8		max	Nm	
		min	lbin	0.8

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BF1801A110 Three-pole contactor, IEC operating current le (AC3) = 18A, AC coil 50/60Hz, 110VAC, 1NC auxiliary contact

May pumbar at		max	lbin Nr	0.74
	simultaneously connectable		Nr.	2
Conductor section	AWG/Kcmil			
		may		10
	Flexible w/o lug conductor section	max		10
		min	mm²	1
		max	mm²	6
	Flexible c/w lug conductor section	тах		0
		min	mm²	1
		max	mm²	4
	Flexible with insulated spade lug conductor section			•
		min	mm²	1
		max	mm²	4
Power terminal prote	ction according to IEC/EN 60529			IP20 when wire
Mechanical features	, and the second se			
Operating position				
		normal		Vertical plan
		allowable		±30°
Fixing				Screw / DIN rail
				35mm
Weight			g	358
Conductor section				
	AWG/kcmil conductor section			
		max		10
Auxiliary contact char	acteristics			
Thermal current Ith			Α	10
IEC/EN 60947-5-1 de	<b>▼</b>			A600 - P600
Operating current AC	15		_	_
		230V	A	3
		400V	A	1.9
	40	500V	A	1.4
Operating current DC	12	4401/		
	40	110V	Α	5.7
Operating current DC	13	0.417	•	<b>F 7</b>
		24V	A	5.7
			Α	2.9
		48V		23
		60V	А	2.3 1.25
		60V 110V	A A	1.25
		60V 110V 125V	A A A	1.25 1.1
		60V 110V 125V 220V	A A A A	1.25 1.1 0.55
Operations		60V 110V 125V	A A A	1.25 1.1
Operations Mechanical life		60V 110V 125V 220V	A A A A	1.25 1.1 0.55 0.2
Mechanical life		60V 110V 125V 220V	A A A A A cycles	1.25 1.1 0.55 0.2 20000000
Mechanical life Electrical life		60V 110V 125V 220V	A A A A	1.25 1.1 0.55 0.2
Mechanical life Electrical life Safety related data	0d according to EN/ISO 13489-1	60V 110V 125V 220V	A A A A A cycles	1.25 1.1 0.55 0.2 20000000
Mechanical life Electrical life Safety related data	10d according to EN/ISO 13489-1	60V 110V 125V 220V	A A A A cycles cycles	1.25 1.1 0.55 0.2 20000000 1600000
Mechanical life Electrical life Safety related data	-	60V 110V 125V 220V 600V	A A A A cycles cycles	1.25 1.1 0.55 0.2 20000000
Mechanical life Electrical life Safety related data Performance level B <sup>2</sup>	me	60V 110V 125V 220V 600V	A A A A cycles cycles	1.25 1.1 0.55 0.2 20000000 1600000 1600000 20000000
Mechanical life Electrical life Safety related data Performance level B <sup>2</sup> Mirror contats accord	-	60V 110V 125V 220V 600V	A A A A cycles cycles	1.25 1.1 0.55 0.2 20000000 1600000 1600000 20000000 yes
Mechanical life Electrical life Safety related data Performance level B <sup>2</sup>	me	60V 110V 125V 220V 600V	A A A A cycles cycles	1.25 1.1 0.55 0.2 20000000 1600000 1600000 1600000 20000000

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AC operating value				
AC operating voltage	of 50/60Hz coil newared at 50Hz			
	of 50/60Hz coil powered at 50Hz			
	pick-up	min	%Us	80
		max	%Us	110
	drop-out	Пах	/000	110
		min	%Us	20
		max	%Us	55
	of 50/60Hz coil powered at 60Hz	Пах	/000	00
	pick-up			
	plott dp	min	%Us	85
		max	%Us	110
	drop-out		,	
		min	%Us	20
		max	%Us	55
AC average coil cons	umption at 20°C			
	of 50/60Hz coil powered at 50Hz			
		in-rush	VA	75
		holding	VA	9
	of 50/60Hz coil powered at 60Hz		· · ·	
		in-rush	VA	70
		holding	VA	6.5
	of 60Hz coil powered at 60Hz			
		in-rush	VA	75
		holding	VA	9
Dissipation at holding	≤20°C 50Hz		W	2.5
Max cycles frequency			••	1.0
			cvcles/h	3600
Mechanical operation			cycles/h	3600
Mechanical operation Operating times			cycles/h	3600
Mechanical operation Operating times	ontrol		cycles/h	3600
Mechanical operation Operating times	ontrol in AC		cycles/h	3600
Mechanical operation Operating times	ontrol	min		
Mechanical operation Operating times	ontrol in AC	min max	ms	8
Mechanical operation Operating times	ontrol in AC Closing NO	min max		
Mechanical operation Operating times	ontrol in AC	max	ms ms	8 24
Mechanical operation Operating times	ontrol in AC Closing NO	max	ms ms ms	8 24 10
Mechanical operation Operating times	ontrol in AC Closing NO Opening NO	max	ms ms	8 24
Mechanical operation Operating times	ontrol in AC Closing NO	max min max	ms ms ms ms	8 24 10 20
Mechanical operation Operating times	ontrol in AC Closing NO Opening NO	max min max min	ms ms ms ms ms	8 24 10 20 14
Mechanical operation Operating times	ontrol in AC Closing NO Opening NO Closing NC	max min max	ms ms ms ms	8 24 10 20
Mechanical operation Operating times	ontrol in AC Closing NO Opening NO	max min max min	ms ms ms ms ms	8 24 10 20 14
Mechanical operation Operating times	ontrol in AC Closing NO Opening NO Closing NC	max min max min max	ms ms ms ms ms ms	8 24 10 20 14 28 7
Mechanical operation Operating times Average time for Us c	ontrol in AC Closing NO Opening NO Closing NC	max min max min max min	ms ms ms ms ms	8 24 10 20 14 28
Mechanical operation Operating times Average time for Us c	ontrol in AC Closing NO Opening NO Closing NC Opening NC	max min max min max min	ms ms ms ms ms ms	8 24 10 20 14 28 7
Mechanical operation Operating times Average time for Us c	ontrol in AC Closing NO Opening NO Closing NC	max min max min max min max	ms ms ms ms ms ms ms ms	8 24 10 20 14 28 7 18
Mechanical operation Operating times Average time for Us c	ontrol in AC Closing NO Opening NO Closing NC Opening NC	max min max min max min max at 480V	ms ms ms ms ms ms	8 24 10 20 14 28 7 18
Mechanical operation Operating times Average time for Us c UL technical data Full-load current (FLA	ontrol in AC Closing NO Opening NO Closing NC Opening NC	max min max min max min max	ms ms ms ms ms ms ms	8 24 10 20 14 28 7 18
Mechanical operation Operating times Average time for Us c UL technical data Full-load current (FLA	ontrol in AC Closing NO Opening NO Closing NC Opening NC	max min max min max min max at 480V	ms ms ms ms ms ms ms	8 24 10 20 14 28 7 18
Mechanical operation Operating times Average time for Us c UL technical data Full-load current (FLA	ontrol in AC Closing NO Opening NO Closing NC Opening NC	max min max min max min max at 480V at 600V	ms ms ms ms ms ms ms A A	8 24 10 20 14 28 7 18 14 17
Mechanical operation Operating times Average time for Us c UL technical data Full-load current (FLA	ontrol in AC Closing NO Opening NO Closing NC Opening NC	max min max min max min max at 480V at 600V	ms ms ms ms ms ms a A A HP	8 24 10 20 14 28 7 18 14 17 1
Mechanical operation Operating times Average time for Us c UL technical data Full-load current (FLA	ontrol in AC Closing NO Opening NO Closing NC Opening NC	max min max min max min max at 480V at 600V	ms ms ms ms ms ms ms A A	8 24 10 20 14 28 7 18 14 17
Mechanical operation Operating times Average time for Us c	ontrol in AC Closing NO Opening NO Closing NC Opening NC	max min max min max min max at 480V at 600V 110/120V 230V	ms ms ms ms ms ms ms HP HP	8 24 10 20 14 28 7 18 14 17 1 3
Mechanical operation Operating times Average time for Us c UL technical data Full-load current (FLA	ontrol in AC Closing NO Opening NO Closing NC Opening NC	max min max min max min max at 480V at 600V	ms ms ms ms ms ms a A A HP	8 24 10 20 14 28 7 18 14 17 1

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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



Three-pole contactor, IEC operating current le (AC3) = 18A, AC coil 50/60Hz, 110VAC, 1NC auxiliary contact

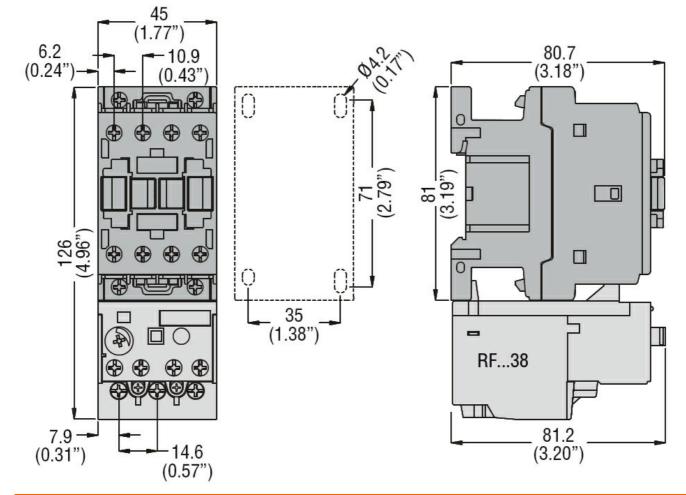
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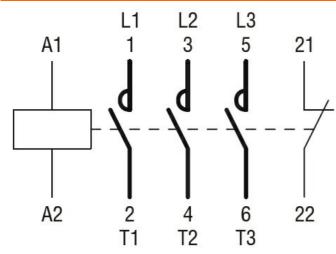
	460/480V	HP	10
	575/600V	HP	15
General USE			
Contactor			
	AC current	А	32
Auxiliary contacts			
	AC voltage	V	600
	AC current	А	10
	DC voltage	V	250
	DC current	А	1
Short-circuit protection fuse, 600V			
High fault			
	Short circuit current	kA	100
	Fuse rating	А	60
	Fuse class		J
Standard fault			
	Short circuit current	kA	5
	Fuse rating	Α	80
Contact rating of auxiliary contacts according to UL			A600 - P600
Ambient conditions			
l'emperature			
Operating temperature			
	min	°C	-50
	max	°C	70
Storage temperature			
	min	°C	-60
	max	°C	80
Max altitude		m	3000
Resistance & Protection			

**BF1801A110** Three-pole contactor, IEC operating current le (AC3) = 18A, AC coil 50/60Hz, 110VAC, 1NC auxiliary contact





Wiring diagrams



## Certifications and compliance

Compliance	
	CSA C22.2 n° 60947-1
	CSA C22.2 n° 60947-4-1
	IEC/EN 60947-1
	IEC/EN 60947-4-1
	UL 60947-1
	UL 60947-4-1
Certificates	

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## BF1801A110 Three-pole contactor, IEC operating current le (AC3) = 18A, AC coil 50/60Hz, 110VAC, 1NC auxiliary contact

	CCC	
	cULus	
	EAC	
classification		
		EC000066 -

ETIM 8.0

ETIM

EC000066 -Power contactor, AC switching

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