





No. 3   Rated insulation voltage Ui IEC/EN   V   690	Product designation Product type designation			Power contactor BF12
Rated insulation voltage U iEC/EN         V         690           Rated impulse withstand voltage Uimp         kV         6           Operational frequency         min         Hz         25           iEC Conventional free air thermal current Ith         A         28           Operational current le         AC-1 (≤40°C)         A         28           AC-1 (≤55°C)         A         23         AC-1 (≤70°C)         A         20           AC-3 (≤440V ≤55°C)         A         20         AC-3 (≤440V ≤50°C)         A         12           Rated operational power AC-3 (T≤55°C)         230V         kW         3.2         400V         kW         5.7           415V         kW         5.2         500V         kW         5.5         500V         kW         5.5           Rated operational power AC-1 (T≤40°C)         230V         kW         5.5         500V         kW         2.3           Rated operational power AC-1 (T≤40°C)         230V         kW         10         400V         kW         18           500V         kW         3.2         400V         kW         3.2         400V         kW         18           690V         kW         3.2         400V         kW				
Rated impulse withstand voltage Uimp	Number of poles		Nr.	3
Department   Frequency   Min   Hz   25 max   Hz   400     EC Conventional free air thermal current lth   A   28     Coperational current le   AC-1 (≤40°C)   A   28     AC-1 (≤55°C)   A   23     AC-1 (≤70°C)   A   20     AC-3 (≤440V ≤55°C)   A   12     AC-4 (400V)   A   7.9     Rated operational power AC-3 (T≤55°C)     AC-3 (≤440V ≤55°C)   A   12     AC-4 (400V)   A   7.9     AC-4 (400V)   KW   5.7     415V   KW   6.2     440V   KW   5.5     500V   KW   5     690V   kW   5     Rated operational power AC-1 (T≤40°C)     230V   KW   10     400V   KW   18     500V   KW   32     EC max current le in DC1 with L/R ≤ 1ms with 1 poles in series     S24V   A   17     48V   A   15     75V   A   13     110V   A   6     220V   A   -     EC max current le in DC1 with L/R ≤ 1ms with 2 poles in series     S24V   A   20     48V   A   20     48V   A   20     48V   A   22     4	Rated insulation voltage Ui IEC/EN		V	690
Min	Rated impulse withstand voltage Uimp		kV	6
EC Conventional free air thermal current Ith	Operational frequency			
EC Conventional free air thermal current lth		min	Hz	25
Operational current le         AC-1 (≤40°C)       A       28         AC-1 (≤55°C)       A       23         AC-1 (≤70°C)       A       20         AC-3 (≤440V ≤55°C)       A       12         AC-4 (400V)       A       7.9         Rated operational power AC-3 (T≤55°C)         230V kW 5.7         415V kW 5.5       500V kW 5.5         500V kW 5.5       500V kW 5.5         440V kW 5.5       500V kW 5.5         8       440V kW 18         500V kW 23       32         IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series         \$24V A 15       75V A 13         110V A 6       6         220V A 1       -         IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series         \$24V A 20       A         48V A 20       75V A 18         110V A 13       220V A 1         IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series         \$24V A 22         48V A 20         75V A 20		max	Hz	400
AC-1 (≤40°C)	IEC Conventional free air thermal current Ith		Α	28
AC-1 (S55°C)	Operational current le			
AC-1 (≤70°C) A 20 AC-3 (≤440V ≤55°C) A 12 AC-4 (400V) A 7.9  Rated operational power AC-3 (T≤55°C)  230V kW 3.2 400V kW 5.7 415V kW 6.2 440V kW 5.5 500V kW 5.5 500V kW 5.6 690V kW 5.6 690V kW 5.6 890V kW 10 400V kW 18 500V kW 23 690V kW 32  IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series  ≤24V A 17 48V A 15 75V A 13 110V A 6 220V A 7  IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series  ≤24V A 20 75V A 18 110V A 6 220V A 1  IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series		AC-1 (≤40°C)	Α	28
AC-3 (≤440V ≤55°C) A 12 AC-4 (400V) A 7.9  Rated operational power AC-3 (T≤55°C)  230V kW 3.2 400V kW 5.7 415V kW 6.2 440V 5.5 500V kW 5.5 500V kW 5.5 690V kW 5.5 690V kW 5.5 800V kW 10 400V kW 18 500V kW 23 690V kW 32  IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series  ≤24V A 17 48V A 15 75V A 13 110V A 6 220V A −  IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series  ≤24V A 20 48V A 20 75V A 18 110V A 13 220V A 1  IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series  ≤24V A 20 48V A 20 75V A 18 110V A 13 220V A 1  IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series		AC-1 (≤55°C)	Α	23
Rated operational power AC-3 (T≤55°C)   230V kW 3.2   400V kW 5.7   415V kW 6.2   440V kW 5.5   500V kW 5.5   500V kW 5.5   500V kW 5.5   690V kW 3.2   6		AC-1 (≤70°C)	Α	20
Rated operational power AC-3 (T≤55°C)  230V kW 3.2 400V kW 5.7 415V kW 6.2 4440V kW 5.5 500V kW 5 690V kW 5 690V kW 5  Rated operational power AC-1 (T≤40°C)  Rated operational power AC-1 (T≤40°C)  230V kW 10 400V kW 18 500V kW 23 690V kW 32  IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series  \$\frac{24V}{48V} A 15 75V A 13 110V A 6 220V A -  IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series  \$\frac{24V}{48V} A 20 48V A 13 110V A 13 220V A 1  IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series  \$\frac{24V}{48V} A 20 48V A 13 220V A 1  IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series		AC-3 (≤440V ≤55°C)	Α	12
230V   kW   3.2   400V   kW   5.7   415V   kW   6.2   440V   kW   5.5   500V   kW   5.5   500V   kW   5   500V   kW   10   400V   kW   18   500V   kW   23   690V   kW   32   500V		AC-4 (400V)	Α	7.9
400	Rated operational power AC-3 (T≤55°C)			
A15V		230V	kW	3.2
A40V   kW   5.5   500V   kW   5   690V   kW   10   400V   kW   18   500V   kW   23   690V   kW   32   690V   kW		400V	kW	5.7
Soov   kW   5   690V   kW   5		415V	kW	6.2
Rated operational power AC-1 (T≤40°C)   Rated operational power AC-1 (T≤40°C)   230V kW 10   400V kW 18   500V kW 23   690V kW 32		440V	kW	5.5
Rated operational power AC-1 (T≤40°C)  230V kW 10 400V kW 18 500V kW 23 690V kW 32  IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series  ≤24V A 17 48V A 15 75V A 13 110V A 6 220V A -  IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series  ≤24V A 20 48V A 20 75V A 18 110V A 13 220V A 1  IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series  ≤24V A 20 48V A 20 75V A 18 110V A 13 220V A 1		500V	kW	5
230V   kW   10   400V   kW   18   500V   kW   23   690V   kW   32		690V	kW	5
A00V   kW   18   500V   kW   23   690V   kW   32	Rated operational power AC-1 (T≤40°C)			
S00V   kW   23   690V   kW   32		230V	kW	10
EC max current le in DC1 with L/R ≤ 1ms with 1 poles in series		400V	kW	18
EC max current le in DC1 with L/R ≤ 1ms with 1 poles in series				
		690V	kW	32
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series			
T5V   A   13   110V   A   6   220V   A   -			Α	
110V   A   6   220V   A   -			Α	
EC max current le in DC1 with L/R ≤ 1ms with 2 poles in series   S24V   A   20				
IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series  ≤24V A 20 48V A 20 75V A 18 110V A 13 220V A 1  IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series  ≤24V A 22 48V A 22 75V A 20				6
		220V	Α	_
	IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series			
IEC max current le in DC1 with L/R $\leq$ 1ms with 3 poles in series $ \leq 24V \qquad A \qquad 22 \\ 48V \qquad A \qquad 22 \\ 75V \qquad A \qquad 20 $				
≤24V A 22 48V A 22 75V A 20		220V	A	
48V A 22 75V A 20	IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series		_	
75V A 20				
110V A 16				
		110V	Α	16





	220V	Α	11
IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series			
	≤24V	Α	20
	48V	Α	20
	75V	Α	20
	110V	Α	16
	220V	Α	12
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 1 poles in series			
·	≤24V	Α	12
	48V	Α	11
	75V	Α	10
	110V	Α	2
	220V	Α	_
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 2 poles in series	220 V		
The max current le in boo-boo with bit 2 forts with 2 poles in series	≤24V	Α	15
	48V	A	13
	46 V 75 V		13
		A	
	110V	A	8
150	220V	A	2
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series	.= :		4.0
	≤24V	Α	18
	48V	Α	18
	75V	Α	15
	110V	Α	12
	220V	Α	6
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 4 poles in series			
	≤24V	Α	15
	48V	Α	15
	75V	Α	15
	110V	Α	16
	220V	Α	7
Short-time allowable current for 10s (IEC/EN60947-1)		Α	150
Protection fuse			
	gG (IEC)	Α	32
	aM (IEC)	Α	12
Making capacity (RMS value)	·	Α	120
Breaking capacity at voltage			
J. Safe stand of the stands	440V	Α	96
	500V	A	96
	690V	A	94
Resistance per note (average value)	090 v	mΩ	2.5
Resistance per pole (average value)		11177	۷.ن
Power dissipation per pole (average value)	141	147	2
	Ith	W	2
Till to die teen et te teen de	AC-3	W	0.4
Tightening torque for terminals			4 =
	min	Nm	1.5
	max	Nm	1.8
	min	Ibin	1.1
	max	lbin	1.5
Tightening torque for coil terminal			
	min	Nm	0.8
	max	Nm	1
	min	Ibin	0.8





AWG/Kcmil			max	Ibin	0.74
AWG/Kcmi    Piexible w/o lug conductor section   Piexible w/o lug conductor section   Piexible c/w lug conductor section   Piexible with insulated spade lug conductor section   Piexible with insulated spad		simultaneously connectable		Nr.	2
Persistable wild lug conductor section	Conductor section	ANNO 116 11			
Flexible w/o lug conductor section		AWG/Kcmil			4.0
Flexible c/w lug conductor section		Flacible w/s has an electron and a	max		10
Flexible c/w lug conductor section		Flexible w/o lug conductor section	min	na na 2	4
Flexible c/w lug conductor section					
Preside with insulated spade lug conductor section		Florible alw lug conductor costion	Шах	IIIII-	б
Flexible with insulated spade lug conductor section   min max   mm²   1 max   1 max   mm²   1 max   mm²   1 max   mm²   1 max   mm²   1 max		Flexible C/W lug conductor section	min	mm²	1
Flexible with insulated spade lug conductor section   min					
Min m		Flavible with insulated spade lug conductor section	IIIax	111111	<del></del>
Prower terminal protection according to IEC/EN 60529   IP20 when properly wired properly prope		Trexible with insulated space rug conductor section	min	mm²	1
Power terminal protection according to IEC/EN 60529   Power terminal protection according to IEC/EN 60529   Power terminal protection according to IEC/EN 60529   Power terminal protection allowable   #30°					
Property wired   Prop			max		
Mechanical features   Superating position   Superation   Superating position   Superation   Superating position   Superating posit	Power terminal protection	ction according to IEC/EN 60529			
Performance	Mechanical features				, , , ,
Normal allowable   Normal 130°	Operating position				
Screw   DIN rail   DIN	<b>-</b> .		normal		Vertical plan
Meight   g   35m     Conductor section			allowable		
Meight	Fiving				Screw / DIN rail
AWG/kcmil conductor section					35mm
AWG/kcmil conductor section max 10  Auxiliary contact characteristics  Thermal current Ith A 10  EC/EN 60947-5-1 designation A600 - P600  Deperating current AC15  230V A 1,9 500V A 1,4  Deperating current DC12  110V A 5,7  Deperating current DC13  24V A 5,7  A8V A 2,9  60V A 2,3  110V A 2,3  110V A 1,25  125V A 1,1  125V A 1,5	Weight			g	359
Max   10   Auxiliary contact characteristics	Conductor section				
Auxiliary contact characteristics Thermal current Ith A 10 IEC/EN 60947-5-1 designation  Operating current AC15  230V A 3 400V A 1.9 500V A 1.4  Operating current DC12  110V A 5.7  Operating current DC13  24V A 5.7  Operating current DC13  24V A 5.7  A600 - P600  A7 1.4  A7 1.4  A7 1.4  A8 1.4  A8 1.4  A8 1.4  A8 1.4  A8 1.7  A8 1.7  A8 1.8  A8 1.8  A8 1.8  A8 2.9  A8 1.1  A8 1.2  A8 1.2  A8 1.2  A8 1.1  A8 1.2  A8 1.2		AWG/kcmil conductor section			
Thermal current Ith			max		10
EC/EN 60947-5-1 designation	•	acteristics			
Performance level B10d according to EN/ISO 13489-1   Performance level B10d according to IEC/EN 609474-4-1   Poperating current DC15   230V				A	
230V					A600 - P600
A00V   A   1.9   500V   A   1.4   1.9   500V   A   1.4   1.9   500V   A   1.4   5.7   500V   A   5.7					
S00V   A   1.4   Coperating current DC12   T10V   A   5.7   Coperating current DC13   T24V   A   5.7   T48V   A   2.9   60V   A   2.3   T10V   A   1.25   T25V   A   1.1   T25V	Operating current AC	15			
Departing current DC12	Operating current AC	15			
110V	Operating current AC	15	400V	Α	1.9
Departing current DC13			400V	Α	1.9
24V   A   5.7   48V   A   2.9   60V   A   2.3   110V   A   1.25   125V   A   1.1   1.25V   A   0.55   600V   A   0.2			400V 500V	A A	1.9 1.4
A8V   A   2.9   60V   A   2.3   110V   A   1.25   125V   A   1.1   1.2	Operating current DC	:12	400V 500V	A A	1.9 1.4
GOV	Operating current DC	:12	400V 500V 110V	A A	1.9 1.4 5.7
110V A 1.25   125V A 1.1   125V A 0.55   1	Operating current DC	:12	400V 500V 110V 24V	A A A	1.9 1.4 5.7 5.7
125V A 1.1   220V A 0.55   600V A 0.2	Operating current DC	:12	400V 500V 110V 24V 48V	A A A	1.9 1.4 5.7 5.7 2.9
220V A 0.55	Operating current DC	:12	400V 500V 110V 24V 48V 60V	A A A A A	1.9 1.4 5.7 5.7 2.9 2.3
Comparison	Operating current DC	:12	400V 500V 110V 24V 48V 60V 110V	A A A A A	1.9 1.4 5.7 5.7 2.9 2.3 1.25
Mechanical life cycles 20000000  Electrical life cycles 20000000  Safety related data  Performance level B10d according to EN/ISO 13489-1  rated load cycles 2000000  mechanical load cycles 20000000  mechanical load cycles 20000000  Mirror contats according to IEC/EN 609474-4-1  EMC compatibility yes	Operating current DC	:12	400V 500V 110V 24V 48V 60V 110V 125V	A A A A A A	1.9 1.4 5.7 5.7 2.9 2.3 1.25 1.1
Mechanical life         cycles         20000000           Electrical life         cycles         2000000           Safety related data         Performance level B10d according to EN/ISO 13489-1           rated load         cycles         20000000           mechanical load         cycles         20000000           Mirror contats according to IEC/EN 609474-4-1         yes           EMC compatibility         yes	Operating current DC	:12	400V 500V 110V 24V 48V 60V 110V 125V 220V	A A A A A A A	1.9 1.4 5.7 5.7 2.9 2.3 1.25 1.1 0.55
Electrical life cycles 2000000  Safety related data  Performance level B10d according to EN/ISO 13489-1  rated load cycles 2000000  mechanical load cycles 20000000  Mirror contats according to IEC/EN 609474-4-1  EMC compatibility yes	Operating current DC Operating current DC	:12	400V 500V 110V 24V 48V 60V 110V 125V 220V	A A A A A A A	1.9 1.4 5.7 5.7 2.9 2.3 1.25 1.1 0.55
Safety related data  Performance level B10d according to EN/ISO 13489-1  rated load cycles 2000000  mechanical load cycles 20000000  Mirror contats according to IEC/EN 609474-4-1  EMC compatibility  yes	Operating current DC Operating current DC	:12	400V 500V 110V 24V 48V 60V 110V 125V 220V	A A A A A A A	1.9 1.4 5.7 5.7 2.9 2.3 1.25 1.1 0.55 0.2
Performance level B10d according to EN/ISO 13489-1  rated load cycles 2000000 mechanical load cycles 20000000  Mirror contats according to IEC/EN 609474-4-1  EMC compatibility  yes	Operating current DC Operating current DC  Operations Mechanical life	:12	400V 500V 110V 24V 48V 60V 110V 125V 220V	A A A A A A A A Cycles	1.9 1.4 5.7 5.7 2.9 2.3 1.25 1.1 0.55 0.2
rated load cycles 2000000 mechanical load cycles 20000000 Mirror contats according to IEC/EN 609474-4-1 EMC compatibility rated load cycles 20000000 yes	Operating current DC Operating current DC  Operations Mechanical life Electrical life	:12	400V 500V 110V 24V 48V 60V 110V 125V 220V	A A A A A A A A Cycles	1.9 1.4 5.7 5.7 2.9 2.3 1.25 1.1 0.55 0.2
mechanical load cycles 20000000  Mirror contats according to IEC/EN 609474-4-1 yes  EMC compatibility yes	Operating current DC Operating current DC  Operations Mechanical life Electrical life Safety related data	113	400V 500V 110V 24V 48V 60V 110V 125V 220V	A A A A A A A A Cycles	1.9 1.4 5.7 5.7 2.9 2.3 1.25 1.1 0.55 0.2
Mirror contats according to IEC/EN 609474-4-1 yes EMC compatibility yes	Operating current DC Operating current DC  Operations Mechanical life Electrical life Safety related data	113	400V 500V 110V 24V 48V 60V 110V 125V 220V 600V	A A A A A A A Cycles cycles	1.9 1.4 5.7 5.7 2.9 2.3 1.25 1.1 0.55 0.2 20000000
EMC compatibility yes	Operating current DC Operating current DC  Operations Mechanical life Electrical life Safety related data	10d according to EN/ISO 13489-1	400V 500V 110V 24V 48V 60V 110V 125V 220V 600V	A A A A A A A Cycles cycles	1.9 1.4 5.7 5.7 2.9 2.3 1.25 1.1 0.55 0.2 20000000 20000000
· · ·	Operating current DC Operating current DC Operations Mechanical life Electrical life Safety related data Performance level B1	10d according to EN/ISO 13489-1	400V 500V 110V 24V 48V 60V 110V 125V 220V 600V	A A A A A A A Cycles cycles	1.9 1.4 5.7 5.7 2.9 2.3 1.25 1.1 0.55 0.2 20000000 20000000
	Operating current DC Operating current DC Operations Mechanical life Electrical life Safety related data Performance level B1	10d according to EN/ISO 13489-1	400V 500V 110V 24V 48V 60V 110V 125V 220V 600V	A A A A A A A Cycles cycles	1.9 1.4 5.7 5.7 2.9 2.3 1.25 1.1 0.55 0.2 20000000 20000000 20000000 yes



	50/60Hz		V	110
C operating voltage				
	of 50/60Hz coil powered at 50Hz			
	pick-up			
		min	%Us	80
	dana and	max	%Us	110
	drop-out	min	%Us	20
		min	%Us %Us	55
	of 50/60Hz coil powered at 60Hz	max	/005	33
	pick-up			
	ριοκ αρ	min	%Us	85
		max	%Us	110
	drop-out	· · · · · · · · · · · · · · · · · · ·	7000	
	3. 4p - 5.3.	min	%Us	20
		max	%Us	55
C average coil cons	sumption at 20°C			
J	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 holdinເ			W	2.5
Max cycles frequenc			. ,	
Mechanical operation			cycles/h	3600
Operating times				
Vorage time for Lle	control			
Average time for Us				
Average time for Us	in AC			
Average time for Us		min	ms	8
Average time for Us	in AC	min max	ms ms	8
Average time for Us	in AC Closing NO	min max	ms ms	8 24
verage time for Us	in AC	max	ms	24
Average time for Us	in AC Closing NO			
Average time for Us	in AC Closing NO	max min	ms ms	10
Average time for Us	in AC Closing NO Opening NO	max min	ms ms	10
Average time for Us	in AC Closing NO Opening NO	max min max	ms ms ms	<ul><li>24</li><li>10</li><li>20</li></ul>
Average time for Us	in AC Closing NO Opening NO	max min max min	ms ms ms	<ul><li>24</li><li>10</li><li>20</li><li>14</li></ul>
Average time for Us	in AC Closing NO Opening NO Closing NC	max min max min	ms ms ms	24 10 20 14 28 7
	in AC Closing NO Opening NO Closing NC	max min max min max	ms ms ms ms	24 10 20 14 28
JL technical data	in AC Closing NO Opening NO Closing NC Opening NC	max min max min max min	ms ms ms ms ms	24 10 20 14 28 7
JL technical data	in AC Closing NO Opening NO Closing NC	max min max min max min max	ms ms ms ms ms ms	24 10 20 14 28 7 18
JL technical data	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	24 10 20 14 28 7 18
JL technical data Full-load current (FL/	in AC Closing NO Opening NO Closing NC Opening NC Opening NC	max min max min max min max	ms ms ms ms ms ms	24 10 20 14 28 7 18
JL technical data	in AC Closing NO Opening NO Closing NC Opening NC Opening NC A) for three-phase AC motor Opening NC	max min max min max min max at 480V	ms ms ms ms ms ms	24 10 20 14 28 7 18
JL technical data Full-load current (FL/	in AC Closing NO Opening NO Closing NC Opening NC Opening NC	max min max min max min max at 480V at 600V	ms ms ms ms ms A A	24 10 20 14 28 7 18
JL technical data Full-load current (FL/	in AC Closing NO Opening NO Closing NC Opening NC Opening NC A) for three-phase AC motor Opening NC	max min max min max min max  at 480V at 600V	ms ms ms ms ms ms	24 10 20 14 28 7 18
JL technical data Full-load current (FL/	in AC  Closing NO  Opening NO  Closing NC  Opening NC  Opening NC  A) for three-phase AC motor  Derformance for single-phase AC motor	max min max min max min max at 480V at 600V	ms ms ms ms ms A A	24 10 20 14 28 7 18
JL technical data Full-load current (FL	in AC Closing NO Opening NO Closing NC Opening NC Opening NC A) for three-phase AC motor Opening NC	max min max min max min max  at 480V at 600V	ms ms ms ms ms ms	24 10 20 14 28 7 18

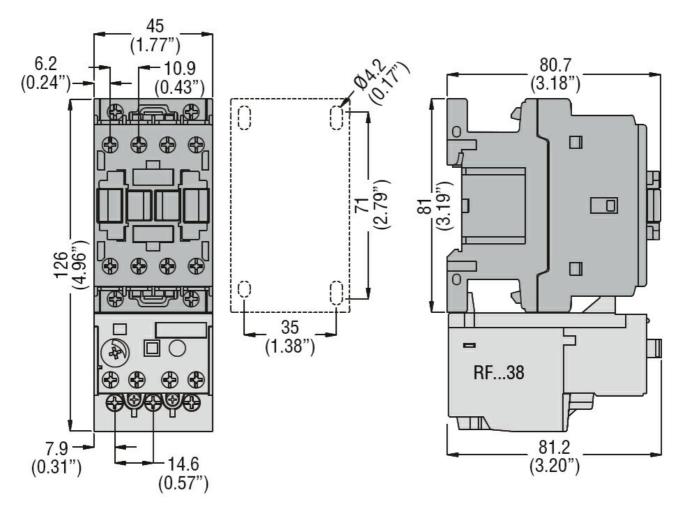




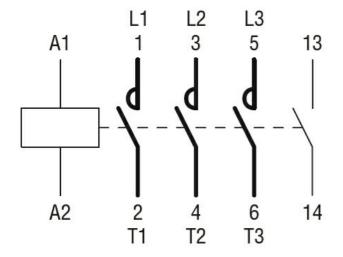
		220/230V	HP	5
		460/480V	HP	7.5
		575/600V	HP	10
General USE				
	Contactor			
		AC current	Α	28
	Auxiliary contacts			
	•	AC voltage	V	600
		AC current	Α	10
		DC voltage	V	250
		DC current	Α	1
Short-circuit protect	tion fuse, 600V			
	High fault			
		Short circuit current	kA	100
		Fuse rating	Α	30
		Fuse class		J
	Standard fault			
		Short circuit current	kA	5
		Fuse rating	Α	70
Contact rating of au	ixiliary contacts according to UL			A600 - P600
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-50
		max	°C	70
	Storage temperature			
		min	°C	-60
		max	°C	80
Max altitude			m	3000
Resistance & Prote	ection			
Pollution degree				3
Dimensions				

**ENERGY AND AUTOMATION** 

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



### Wiring diagrams



### Certifications and compliance

### Compliance

CSA C22.2 n° 60947-1

CSA C22.2 n° 60947-4-1

IEC/EN/BS 60947-1

IEC/EN/BS 60947-4-1

UL 60947-1

UL 60947-4-1

### Certificates

CCC



### BF1210A110

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

cULus			
EAC			

ETIM classification

ETIM 8.0

EC000066 -Power contactor, AC switching