



Product designation			Power contactor
Product type designation			BF09
Contact characteristics		N La	2
Number of poles		Nr. V	3
Rated insulation voltage Ui IEC/EN		kV	690
Rated impulse withstand voltage Uimp		KV	6
Operational frequency	min		25
	min	Hz	25
IEC Conventional free air thermal current Ith	max	Hz	400
		A	25
Operational current le		٨	25
	AC-1 (≤40°C)	A	25
	AC-1 (≤55°C)	A	20
	AC-1 (≤70°C)	A	18
	AC-3 (≤440V ≤55°C)	A	9
Deted energianal neuron AC 2 (TZEE°C)	AC-4 (400V)	A	4.9
Rated operational power AC-3 (T≤55°C)	0001/	1.1.47	0.0
	230V	kW	2.2
	400V	kW	4.2
	415V	kW	4.5
	440V	kW	4.8
	500V	kW	5.5
	690V	kW	7.5
Rated operational power AC-1 (T≤40°C)	0001/	1.1.47	0.5
	230V	kW	9.5
	400V	kW	16
	500V	kW	21
IFC may automate to in DC1 with L/D < 1 may with 1 males in agrice	690V	kW	27
IEC max current le in DC1 with $L/R \le 1$ ms with 1 poles in series	-0 A /	۸	45
	≤24V	A	15
	48V	A	13
	75V	A	12
	110V	A	6
IFC may automate to in DC4 with L/D < 4 may with 2 males in agrice	220V	A	_
IEC max current le in DC1 with $L/R \le 1$ ms with 2 poles in series	(0.0.)	•	4.0
	≤24V	A	18
	48V	A	18
	75V	A	17
	110V	A	12
	220V	A	1
IEC max current le in DC1 with $L/R \le 1$ ms with 3 poles in series			0.0
	≤24V	A	20
	48V	A	20
	75V	A	20
	110V	A	15

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EC         max current le in DC1 with L/R ≤ 1ms with 4 poles in series         \$24V         A         20           48V         A         20         110V         A         16           220V         A         12         110V         A         16           220V         A         12         12         10         48V         A         9           FC max current le in DC3-DC5 with L/R ≤ 15ms with 1 poles in series         \$24V         A         10         48V         A         9           FC max current le in DC3-DC5 with L/R ≤ 15ms with 2 poles in series         \$24V         A         13         48V         A         10           FC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series         \$24V         A         13         48V         A         15           FC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series         \$24V         A         15         10V         A         11           EC max current le in DC3-DC5 with L/R ≤ 15ms with 4 poles in series         \$24V         A         15         15           FC max current le in DC3-DC5 with L/R ≤ 15ms with 4 poles in series         \$24V         A         15           FC max current le in DC3-DC5 with L/R ≤ 15ms with 4 poles in series         \$24V         A         15		660) í		10
$\begin{aligned} \begin{array}{c} \pm 24 & A & 20 \\ 48 & A & 20 \\ 75 & A & 20 \\ 110 & A & 16 \\ 220 & A & 12 \\ \hline \end{array} \\ \hline \\ EC max current le in DC3-DC5 with L/R \leq 15ms with 1 poles in series \\ \hline \\ 48 & A & 9 \\ 75 & A & 8 \\ 110 & A & 2 \\ 220 & A & - \\ \hline \\ EC max current le in DC3-DC5 with L/R \leq 15ms with 2 poles in series \\ \hline \\ 48 & A & 11 \\ 75 & A & 10 \\ 110 & A & 2 \\ 220 & A & - \\ \hline \\ EC max current le in DC3-DC5 with L/R \leq 15ms with 2 poles in series \\ \hline \\ 48 & A & 11 \\ 75 & A & 10 \\ 110 & A & 7 \\ 220 & A & 2 \\ \hline \\ EC max current le in DC3-DC5 with L/R \leq 15ms with 3 poles in series \\ \hline \\ EC max current le in DC3-DC5 with L/R \leq 15ms with 3 poles in series \\ \hline \\ EC max current le in DC3-DC5 with L/R \leq 15ms with 4 poles in series \\ \hline \\ \\ EC max current le in DC3-DC5 with L/R \leq 15ms with 4 poles in series \\ \hline \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ $	IEC may current le in DC1 with L/D < 1 me with 4 palas in series	220V	A	10
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	The max current le in DCT with $L/R \ge 1118$ with 4 poles in series	~0111	۸	20
$\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 $				
$\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 1 poles in series $\begin{array}{cccccccccccccccccccccccccccccccccccc$				
$\begin{aligned} & \leq 24V & A & 10 \\ & 48V & A & 9 \\ & 75V & A & 8 \\ & 110V & A & 2 \\ & 220V & A & - \end{aligned}$	IEC may current to in DC3 DC5 with $1/P < 15mc$ with 1 poles in series	2200	A	12
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	The current is in DC3-DC5 with $L/R \le 15$ ms with 1 poiss in series	<2417	۸	10
$\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 $				
$\begin{array}{c c c c c c } \hline 220V & A & - \\ \hline 220V & A & 1 \\ \hline 320V & A & 1 \\ \hline 320V & A & 1 \\ \hline 348V & A & 1 \\ \hline 75V & A & 10 \\ \hline 110V & A & 7 \\ \hline 220V & A & 2 \\ \hline 220V & A & 2 \\ \hline 220V & A & 1 \\ \hline 220V & A & 1 \\ \hline 348V & A & 15 \\ \hline 48V & A & 15 \\ \hline 48V & A & 15 \\ \hline 75V & A & 13 \\ \hline 110V & A & 11 \\ \hline 220V & A & 6 \\ \hline \hline 110V & A & 11 \\ \hline 220V & A & 6 \\ \hline \hline 110V & A & 11 \\ \hline 220V & A & 6 \\ \hline \hline 110V & A & 11 \\ \hline 220V & A & 6 \\ \hline \hline 110V & A & 15 \\ \hline 38V & A & 15 \\ \hline 75V & $				
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 2 poles in series				
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		2200	A	_
$ \begin{array}{ccccccc} 48V & A & 11 \\ 75V & A & 10 \\ 110V & A & 7 \\ 220V & A & 2 \end{array} \\ \hline \begin{tabular}{lllllllllllllllllllllllllllllllllll$	IEC max current le in DC3-DC5 with L/R S 15ms with 2 poles in series	-041/	۸	4.0
$\begin{array}{cccc} 75 & A & 10 \\ 110 & A & 7 \\ 220 & A & 2 \\ \end{array}$				
$\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 $				
EC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series $524V$ A1548VA1575VA13110VA11220VA6EC max current le in DC3-DC5 with L/R ≤ 15ms with 4 poles in series $524V$ A1548VA1575VA1575VA15110VA12220VA77100VA12Short-time allowable current for 10s (IEC/EN60947-1)A150100VProtection fusegG (IEC)A25aM (IEC)Breaking capacity (RMS value)A9090Breaking capacity at voltage440VA72690VA71690VA71Resistance per pole (average value)mΩ2.52.5Power dissipation per pole (average value)mΩ2.5Power dissipation per pole (average value)min1.6 $Min1.8min1.3Min1.8min1.6Tightening torque for coil terminalminNm1.8Min1.8min1.6$				
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		220V	A	2
$ \begin{array}{cccc} 48V & A & 15 \\ 75V & A & 13 \\ 110V & A & 11 \\ 220V & A & 6 \end{array} \end{array} $	IEC max current ie in DC3-DC5 with L/R $\leq$ 15ms with 3 poles in series		•	4.5
$\begin{array}{cccc} 75 & A & 13 \\ 110 & A & 11 \\ 220 & A & 6 \\ \hline \end{array}$ $\begin{array}{cccccccccccccccccccccccccccccccccccc$				
$\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 $				
$\begin{array}{c c c c c c c c c c c c c c c c c c c $				
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		220V	A	6
$\begin{array}{cccc} 48V & A & 15 \\ 75V & A & 15 \\ 110V & A & 12 \\ 220V & A & 7 \end{array}$ Short-time allowable current for 10s (IEC/EN60947-1) A 150 \\ \hline Protection fuse & & & & & & & & & \\ gG (IEC) & A & 25 \\ aM (IEC) & A & 10 \\ \hline Making capacity (RMS value) & A & 90 \\ \hline Breaking capacity at voltage & & & & & & & & \\ 440V & A & 72 \\ 500V & A & 72 \\ 690V & A & 71 \\ \hline Resistance per pole (average value) & & & & & & & & \\ m\Omega & 2.5 \\ \hline Power dissipation per pole (average value) & & & & & & & & \\ Ith & W & 1.6 \\ ACG & W & 0.2 \\ \hline Tightening torque for terminals & & & & & & \\ \hline min & Nm & 1.5 \\ max & Nm & 1.8 \\ min & Ibin & 13 \\ max & Ibin & 16 \\ \hline Tightening torque for coil terminal & & & & & \\ \hline min & Nm & 0.8 \\ max & Nm & 1. \\ \hline \end{array}	IEC max current le in DC3-DC5 with L/R $\leq$ 15ms with 4 poles in series	-0 A) (		4.5
$\begin{array}{cccc} 75 & A & 15 \\ 110 & A & 12 \\ 220 & A & 7 \end{array} \\ \hline \\ \text{Short-time allowable current for 10s (IEC/EN60947-1)} & A & 15 \end{array} \\ \hline \\ \text{Protection fuse} & & & & & & & & & \\ \hline \\ Protection fuse & & & & & & & & \\ \hline \\ \text{gG (IEC)} & A & 25 \\ aM (IEC) & A & 10 \\ \hline \\ \text{Making capacity (RMS value)} & A & 90 \end{array} \\ \hline \\ \text{Breaking capacity at voltage} & & & & & & & \\ \hline \\ \text{Breaking capacity at voltage} & & & & & & & & \\ \hline \\ \text{How Making capacity at voltage} & & & & & & & & \\ \hline \\ \text{Resistance per pole (average value)} & & & & & & & & & \\ \hline \\ \text{Power dissipation per pole (average value)} & & & & & & & & \\ \hline \\ \text{Power dissipation per pole (average value)} & & & & & & & & \\ \hline \\ \text{Power dissipation per pole (average value)} & & & & & & & & \\ \hline \\ \text{Tightening torque for terminals} & & & & & & & \\ \hline \\ \hline \\ \text{Tightening torque for coil terminal} & & & & & & & & \\ \hline \\ \text{Tightening torque for coil terminal} & & & & & & & \\ \hline \\ \hline \\ \text{Tightening torque for coil terminal} & & & & & & & \\ \hline \\ \end{array}$				
110V         A         12           220V         A         7           Short-time allowable current for 10s (IEC/EN60947-1)         A         150           Protection fuse         gG (IEC)         A         25           aM (IEC)         A         10         A         90           Breaking capacity (RMS value)         A         90         A         72           Breaking capacity at voltage         440V         A         72           500V         A         72         500V         A         72           Short-time allowable current for 10s (IEC/EN60947-1)         M         72         500V         A         72           Making capacity (RMS value)         A         90         A         72         500V         A         72           Breaking capacity at voltage         440V         A         72         500V         A         71           Resistance per pole (average value)         mΩ         2.5         Power dissipation per pole (average value)         MΩ         1.6           AC3         W         0.2         1         1         1.5         max         Nm         1.8           rightening torque for terminals         min         Nm <td< td=""><td></td><td></td><td></td><td></td></td<>				
220V         A         7           Short-time allowable current for 10s (IEC/EN60947-1)         A         150           Protection fuse         gG (IEC)         A         25           aM (IEC)         A         10           Making capacity (RMS value)         A         90           Breaking capacity at voltage         440V         A         72           500V         A         72         500V         A         71           Resistance per pole (average value)         mΩ         2.5         2.5           Power dissipation per pole (average value)         Ith         W         1.6           AC3         W         0.2         1           Tightening torque for terminals         min         Nm         1.8           min         bin         16         1           Tightening torque for coil terminal         min         16           Tightening torque for coil terminal         min         Nm         1.8				
Short-time allowable current for 10s (IEC/EN60947-1)       A       150         Protection fuse       gG (IEC)       A       25         aM (IEC)       A       10         Making capacity (RMS value)       A       90         Breaking capacity at voltage       440V       A       72         690V       A       71         Resistance per pole (average value)       mΩ       2.5         Power dissipation per pole (average value)       Ith       W       1.6         AC3       W       0.2       1.5         Tightening torque for terminals       min       Nm       1.5         min< Ibin				
Protection fuse $ \begin{array}{ccccccccccccccccccccccccccccccccccc$		2200		
$\begin{array}{c c c c c c c c c c c c c c c c c c c $			A	150
aM (IEC)       A       10         Making capacity (RMS value)       A       90         Breaking capacity at voltage       440V       A       72         500V       A       72       500V       A       72         690V       A       71       Resistance per pole (average value)       mΩ       2.5         Power dissipation per pole (average value)       Ith       W       1.6         AC3       W       0.2         Tightening torque for terminals       min       Nm       1.5         max       Nm       1.8       min       1bin       13         max       Ibin       16       16       16       16	Protection fuse		•	05
Making capacity (RMS value)       A       90         Breaking capacity at voltage       440V       A       72         500V       A       72       500V       A       72         690V       A       71       Resistance per pole (average value)       mΩ       2.5         Power dissipation per pole (average value)       Ith       W       1.6       AC3       W       0.2         Tightening torque for terminals       min       Nm       1.5       max       Nm       1.8         Tightening torque for coil terminal       min       16       16       16         Tightening torque for coil terminal       min       Nm       1.6         Max       Nm       1.8       1.6         Max       Nm       1.8       1.6         Max       Nm       1.8       1.6         Max       Nm       1.8       1.6         Max       Nm       1.6       1.6				
Breaking capacity at voltage 440V A 72 500V A 72 690V A 71 Resistance per pole (average value) Power dissipation per pole (average value) Ith W 1.6 AC3 W 0.2 Tightening torque for terminals min Nm 1.5 max Nm 1.8 min Ibin 13 max Ibin 16 Tightening torque for coil terminal min Nm 0.8 max Nm 1		aM (IEC)		
440V       A       72         500V       A       72         690V       A       71         Resistance per pole (average value)         Mn       2.5         Power dissipation per pole (average value)       Ith       W       1.6         AC3       W       0.2       0.2         Tightening torque for terminals       min       Nm       1.5         max       Nm       1.8       min       Ibin       13         min       Ibin       13       max       Ibin       16         Tightening torque for coil terminal         min       Nm       0.8         min       Nm       0.8       max       Nm       1			A	90
500V       A       72         690V       A       71         Resistance per pole (average value)       mΩ       2.5         Power dissipation per pole (average value)       Ith       W       1.6         AC3       W       0.2       0.2         Tightening torque for terminals       min       Nm       1.5         max       Nm       1.8       min       1bin       13         Tightening torque for coil terminal       min       1bin       13         Tightening torque for coil terminal       min       0.8       max       Nm       1	breaking capacity at voltage			70
690V       A       71         Resistance per pole (average value)       mΩ       2.5         Power dissipation per pole (average value)       Ith       W       1.6         AC3       W       0.2       0.2         Tightening torque for terminals       min       Nm       1.5         max       Nm       1.8       min       Ibin       13         Tightening torque for coil terminal       min       1bin       16         Tightening torque for coil terminal       min       Nm       0.8         max       Nm       0.8       max       Nm				
Resistance per pole (average value)       mΩ       2.5         Power dissipation per pole (average value)       Ith       W       1.6         AC3       W       0.2         Tightening torque for terminals       min       Nm       1.5         min       Nm       1.8       min       Ibin       13         Tightening torque for coil terminal       min       Ibin       16         Tightening torque for coil terminal       min       Nm       0.8         Min       Nm       0.8       max       Nm       1				
Power dissipation per pole (average value) Ith W 1.6 AC3 W 0.2 Tightening torque for terminals min Nm 1.5 max Nm 1.8 min Ibin 13 max Ibin 16 Tightening torque for coil terminal min Nm 0.8 max Nm 1		690V		
Ith       W       1.6         AC3       W       0.2         Tightening torque for terminals       min       Nm       1.5         max       Nm       1.8       min       Ibin       13         min       Ibin       16       16       16         Tightening torque for coil terminal       min       Nm       0.8         max       Nm       1       1			mΩ	2.5
AC3       W       0.2         Tightening torque for terminals       min       Nm       1.5         max       Nm       1.8         min       Ibin       13         max       Ibin       16         Tightening torque for coil terminal       min       Nm       0.8         max       Nm       1	Power dissipation per pole (average value)	141	147	1.0
Tightening torque for terminals min Nm 1.5 max Nm 1.8 min Ibin 13 max Ibin 16 Tightening torque for coil terminal min Nm 0.8 max Nm 1				
min Nm 1.5 max Nm 1.8 min Ibin 13 max Ibin 16 Tightening torque for coil terminal min Nm 0.8 max Nm 1		AC3	VV	0.2
max       Nm       1.8         min       Ibin       13         max       Ibin       16         Tightening torque for coil terminal       min       Nm       0.8         max       Nm       1	i ignitening torque for terminals		Nies	4 5
min Ibin 13 max Ibin 16 Tightening torque for coil terminal min Nm 0.8 max Nm 1				
max Ibin 16 Tightening torque for coil terminal min Nm 0.8 max Nm 1				
Tightening torque for coil terminal min Nm 0.8 max Nm 1				
min Nm 0.8 max Nm 1		max	Ibin	16
max Nm 1	i igntening torque for coil terminal			
min Ibin 0.8				
		min	Ibin	0.8

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Max number of wires		max	Ibin Nr.	0.74
Conductor section	simultaneously connectable		INF.	2
Conductor Section	AWG/Kcmil			
		max		10
	Flexible w/o lug conductor section	max		10
		min	mm²	1
		max	mm²	6
	Flexible c/w lug conductor section			
		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
-				properly wired
Mechanical features				
Operating position				
		normal		Vertical plan
		allowable		±30°
Fixing				Screw / DIN ra 35mm
Weight			a	370
Conductor section			g	510
Conductor Section	AWG/kcmil conductor section			
		max		10
Auxiliary contact char	racteristics	max		
Thermal current Ith			А	10
IEC/EN 60947-5-1 de	esignation			A600 - P600
	oolghadon			A000 - F 000
				A000 - F 000
Operating current AC		230V	A	3
		230V 400V	A A	
				3
Operating current AC	215	400V	A	3 1.9
Operating current AC	215	400V	A	3 1.9
Operating current AC	215	400V 500V	A A	3 1.9 1.4
	215	400V 500V	A A	3 1.9 1.4
Operating current AC	215	400V 500V 110V	A A A	3 1.9 1.4 5.7
Operating current AC	215	400V 500V 110V 24V 48V 60V	A A A A A A	3 1.9 1.4 5.7 5.7 2.9 2.3
Operating current AC	215	400V 500V 110V 24V 48V 60V 110V	A A A A A A A A	3 1.9 1.4 5.7 5.7 2.9 2.3 1.25
Operating current AC	215	400V 500V 110V 24V 48V 60V 110V 125V	A A A A A A A A A	3 1.9 1.4 5.7 5.7 2.9 2.3 1.25 1.1
Operating current AC	215	400V 500V 110V 24V 48V 60V 110V 125V 220V	A A A A A A A A A A A	3 1.9 1.4 5.7 5.7 2.9 2.3 1.25 1.1 0.55
Operating current AC Operating current DC Operating current DC	215	400V 500V 110V 24V 48V 60V 110V 125V	A A A A A A A A A	3 1.9 1.4 5.7 5.7 2.9 2.3 1.25 1.1
Operating current AC Operating current DC Operating current DC	215	400V 500V 110V 24V 48V 60V 110V 125V 220V	A A A A A A A A A A A A	3 1.9 1.4 5.7 5.7 2.9 2.3 1.25 1.1 0.55 0.2
Operating current AC Operating current DC Operating current DC Operations Mechanical life	215	400V 500V 110V 24V 48V 60V 110V 125V 220V	A A A A A A A A A A A Cycles	3 1.9 1.4 5.7 5.7 2.9 2.3 1.25 1.1 0.55 0.2 20000000
Operating current AC Operating current DC Operating current DC Operations Mechanical life Electrical life	215	400V 500V 110V 24V 48V 60V 110V 125V 220V	A A A A A A A A A A A A	3 1.9 1.4 5.7 5.7 2.9 2.3 1.25 1.1 0.55 0.2
Operating current AC Operating current DC Operating current DC Operations Mechanical life Electrical life Safety related data	215	400V 500V 110V 24V 48V 60V 110V 125V 220V	A A A A A A A A A A A Cycles	3 1.9 1.4 5.7 5.7 2.9 2.3 1.25 1.1 0.55 0.2 20000000
Operating current AC Operating current DC Operating current DC Operations Mechanical life Electrical life Safety related data	215	400V 500V 110V 24V 48V 60V 110V 125V 220V 600V	A A A A A A A A A A A Cycles cycles	3 1.9 1.4 5.7 5.7 2.9 2.3 1.25 1.1 0.55 0.2 20000000 2000000
Operating current AC Operating current DC Operating current DC Operations Mechanical life Electrical life Safety related data	215 212 213 10d according to EN/ISO 13489-1	400V 500V 110V 24V 48V 60V 110V 125V 220V 600V	A A A A A A A A A A A Cycles cycles	3 1.9 1.4 5.7 5.7 2.9 2.3 1.25 1.1 0.55 0.2 20000000 2000000 2000000
Operating current AC Operating current DC Operating current DC Operations Mechanical life Electrical life Safety related data Performance level B <sup>2</sup>	215 212 213 10d according to EN/ISO 13489-1 med	400V 500V 110V 24V 48V 60V 110V 125V 220V 600V	A A A A A A A A A A A Cycles cycles	3 1.9 1.4 5.7 5.7 2.9 2.3 1.25 1.1 0.55 0.2 2000000 2000000 2000000 2000000
Operating current AC Operating current DC Operating current DC Operations Mechanical life Electrical life Safety related data Performance level B <sup>2</sup>	215 212 213 10d according to EN/ISO 13489-1	400V 500V 110V 24V 48V 60V 110V 125V 220V 600V	A A A A A A A A A A A Cycles cycles	3 1.9 1.4 5.7 5.7 2.9 2.3 1.25 1.1 0.55 0.2 20000000 2000000 2000000

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SCHÜTZ BF09, 3P+1Ö, 9A AC3, 400V 50/60HZ

Rated AC voltage at 5	0/60Hz			V	400
C operating voltage					
	of 50/60Hz coil powered at 5				
	pick	-up			
			min	%Us	80
			max	%Us	110
	drop	o-out		o	
			min	%Us	20
			max	%Us	55
	of 50/60Hz coil powered at 6				
	pick	-up		0/11	0.5
			min	%Us	85
			max	%Us	110
	drop	o-out		0/11	
			min	%Us	20
			max	%Us	55
C average coil consu		-011-			
	of 50/60Hz coil powered at 5	DUHZ	• •	\ / A	75
			in-rush	VA	75
			holding	VA	9
	of 50/60Hz coil powered at 6	DUHZ	• •	\ /A	70
			in-rush	VA	70
			holding	VA	6.5
	of 60Hz coil powered at 60H	Z		\ /A	75
			in-rush	VA	75
Nection of helding			holding	VA	9
Dissipation at holding	≤20 C 50H2			W	2.5
An cycles frequency				ovoloo/b	2600
Nechanical operation Dperating times				cycles/h	3000
	antrol				
	in AC	sing NO			
	in AC	sing NO	min	ms	8
	in AC	sing NO	min	ms	8
	in AC Clos	-	min max	ms ms	8 24
	in AC Clos	sing NO ning NO	max	ms	24
	in AC Clos	-	max	ms ms	24 10
	in AC Clos Ope	ning NO	max	ms	24
	in AC Clos Ope	-	max min max	ms ms ms	24 10 20
	in AC Clos Ope	ning NO	max min max min	ms ms ms ms	24 10 20 14
	in AC Clos Ope Clos	ning NO	max min max	ms ms ms	24 10 20
	in AC Clos Ope Clos	ning NO	max min max min max	ms ms ms ms	24 10 20 14 28
	in AC Clos Ope Clos	ning NO	max min max min	ms ms ms ms	24 10 20 14
verage time for Us co	in AC Clos Ope Clos	ning NO	max min max min max min	ms ms ms ms ms	24 10 20 14 28 7
verage time for Us co JL technical data	in AC Clos Ope Clos Ope	ning NO	max min max min max min	ms ms ms ms ms	24 10 20 14 28 7
verage time for Us co JL technical data	in AC Clos Ope Clos	ning NO	max min max min max min	ms ms ms ms ms	24 10 20 14 28 7
verage time for Us co IL technical data	in AC Clos Ope Clos Ope	ning NO	max min max min max min max	ms ms ms ms ms ms	24 10 20 14 28 7 18
Verage time for Us co JL technical data Full-load current (FLA)	in AC Clos Ope Clos Ope	ning NO	max min max min max min max at 480V	ms ms ms ms ms ms	24 10 20 14 28 7 18 7.6
verage time for Us co JL technical data	in AC Clos Ope Clos Ope	ning NO	max min max min max min max at 480V	ms ms ms ms ms ms	24 10 20 14 28 7 18 7.6
Verage time for Us co JL technical data Full-load current (FLA)	in AC Clos Ope Clos Ope	ning NO	max min max min max min max at 480V	ms ms ms ms ms ms	24 10 20 14 28 7 18 7.6 0.375
Verage time for Us co JL technical data Full-load current (FLA)	in AC Clos Ope Clos Ope	ning NO	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 7.6 0.375 0.75
Verage time for Us co JL technical data Full-load current (FLA)	in AC Clos Ope Clos Ope	ning NO	max min max min max min max at 480V at 600V	ms ms ms ms ms A A HP	24 10 20 14 28 7 18 7.6 0.375
Verage time for Us co L technical data ull-load current (FLA)	in AC Clos Ope Clos Ope	ning NO	max min max min max min max at 480V at 600V	ms ms ms ms ms A A HP	24 10 20 14 28 7 18 7.6 0.375 0.75

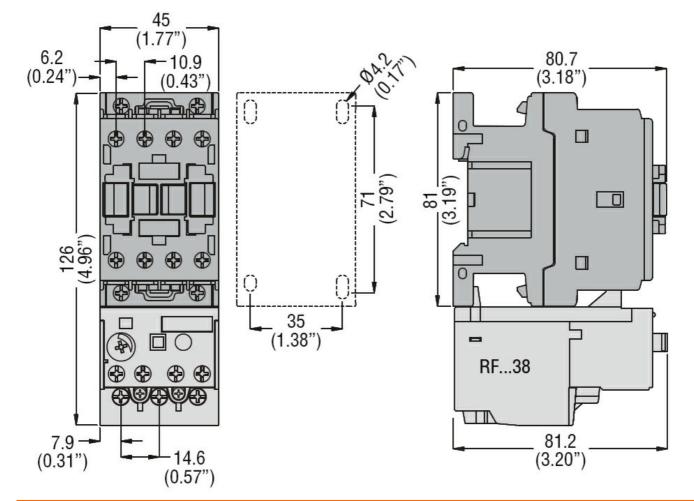
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The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently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

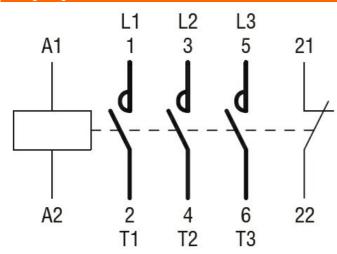


		220/230V	HP	3
		460/480V	HP	5
		575/600V	HP	7.5
General USE				
	Contactor			
		AC current	А	25
	Auxiliary contacts			
	-	AC voltage	V	600
		AC current	А	10
		DC voltage	V	250
		DC current	А	1
Short-circuit protec	tion fuse, 600V			
•	High fault			
	C C	Short circuit current	kA	100
		Fuse rating	А	30
		Fuse class		J
	Standard fault			
		Short circuit current	kA	5
		Fuse rating	А	60
Contact rating of au	uxiliary contacts according to UL	<u>v</u>		A600 - P600
Ambient conditions				
Temperature				
·	Operating temperature			
		min	°C	-50
		max	°C	70
	Storage temperature			
	<b>0</b>	min	°C	-60
		max	°C	80
Max altitude			m	3000
Resistance & Prote	ection			
Pollution degree				3
Dimensions				- -





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 CULus EAC ETIM classification

ETIM 8.0

EC000066 -Power contactor, AC switching