



Product designation			Power contactor
Product type designation Contact characteristics			BF09
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		А	25
Operational current le			
	AC-1 (≤40°C)	А	25
	AC-1 (≤55°C)	А	20
	AC-1 (≤70°C)	А	18
	AC-3 (≤440V ≤55°C)	А	9
	AC-4 (400V)	А	4.9
Rated operational power AC-1 (T≤40°C)			
	230V	kW	9.5
	400V	kW	16
	500V	kW	21
	690V	kW	27
IEC max current le in DC1 with $L/R \le 1$ ms with 1 poles in series			
	≤24V	А	15
	48V	А	13
	75V	А	12
	110V	А	6
	220V	A	-
IEC max current le in DC1 with $L/R \le 1$ ms with 2 poles in series			
	≤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	.0.0.4		
	≤24V	A	20
	48V	A	20
	75V	A	20
	110V	A	15
IEC move urrent to in DC1 with $1/D < 1$ move with 4 notes in action	220V	A	10
IEC max current le in DC1 with $L/R \le 1$ ms with 4 poles in series	20 41 /		20
	≤24V	A	20
	48V	A	20
	75V	A	20
	110V	A	16
	220V	А	12



**BF09T4D110** FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 25A, DC COIL, 110VDC

IEC max current le in DC3-DC5 with L/R $\leq$ 15ms with 1 poles in series			
	≤24V	А	10
	48V	А	9
	75V	А	8
	110V	А	2
	220V	А	-
IEC max current le in DC3-DC5 with L/R $\leq$ 15ms with 2 poles in series			
	≤24V	А	13
	48V	А	11
	75V	А	10
	110V	А	7
	220V	A	2
IEC max current le in DC3-DC5 with L/R $\leq$ 15ms with 3 poles in series			
	≤24V	A	15
	48V	A	15
	75V	A	13
	110V	A	11
	220V	A	6
IEC max current le in DC3-DC5 with L/R $\leq$ 15ms with 4 poles in series	20.0.7	۸	4 5
	≤24V	A	15
	48V	A	15
	75V 110V	A	15 12
	220V	A A	7
Short-time allowable current for 10s (IEC/EN60947-1)	2201	A	150
Protection fuse		A	150
Fiotection fuse	gG (IEC)	А	25
	aM (IEC)	A	10
Making capacity (RMS value)		A	90
Breaking capacity at voltage			
	440V	А	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
	AC-3	W	0.2
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
	min	Ibin	0.8
	max	Ibin	0.74
Max number of wires simultaneously connectable		Nr.	2
Conductor section			
AWG/Kcmil			
	max		10



FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 25A, DC COIL, 110VDC

BF09T4D110

max         mm²         6           Flexible c/w lug conductor section         min         mm²         1           max         mm²         4           Flexible with insulated spade lug conductor section         min         mm²         4           Power terminal protection according to IEC/EN 60529         IP20 when properly wited         Machanical features           Operating position         normal allowable         4.30           Fixing         Screw / DIN rail         35mm           Yeight         g         492           Conductor section         max         10           Operating position         max         10           Weight         g         492           Conductor section         max         10           Operations         cycles         2000000           Electrical life         cycles         2000000           Solution         cycles         2000000           Solution         cycles         2000000           Micro contaits according to IEC/EN 609474-4-1         yes         20000000           Micro contaits according to IEC/EN 609474-4-1         yes         20000000           Micro contaits according to IEC/EN 609474-4-1         yes         20000000				
min         mmin         mmin         mmin         mmin         mmin         1           Pawer terminal protection according to IEC/EN 60529         max         mmin         1           Power terminal protection according to IEC/EN 60529         reproperty wired         Power terminal protection according to IEC/EN 60529         reproperty wired           Mechanical features         ormal         software         Vertical plan           Allowable         software         Screw / DN rail         35mm           Fixing         g         492         Conductor section         g         492           Conductor section         max         10         Mechanical features         2000000           Clocitor section         max         10         Mechanical features         2000000           Electrical life         cycles         2000000         2000000         2000000           Staty related data         reprose         2000000         2000000         2000000           Mirer contats according to ELVISO 13489-1         reprose         2000000         2000000           Mirer contats according to IEC/EN 609474-4-1         yes         20000000         20000000           Competition         max         %Us         10         20           D		max	mm²	6
min         mmin         mmin         mmin         mmin         mmin         1           Pawer terminal protection according to IEC/EN 60529         max         mmin         1           Power terminal protection according to IEC/EN 60529         reproperty wired         Power terminal protection according to IEC/EN 60529         reproperty wired           Mechanical features         ormal         software         Vertical plan           Allowable         software         Screw / DN rail         35mm           Fixing         g         492         Conductor section         g         492           Conductor section         max         10         Mechanical features         2000000           Clocitor section         max         10         Mechanical features         2000000           Electrical life         cycles         2000000         2000000         2000000           Staty related data         reprose         2000000         2000000         2000000           Mirer contats according to ELVISO 13489-1         reprose         2000000         2000000           Mirer contats according to IEC/EN 609474-4-1         yes         20000000         20000000           Competition         max         %Us         10         20           D		Flexible c/w lug conductor section		
Flexible with insulated spade lug conductor section       min       mm²       1         max       mm²       4         Power terminal protection according to IEC/EN 60529       P20 when property wired         Mechanical features       normal allowable       Vertical plan         Qperating position       0       Screw / DN rail         Fixing       Screw / DN rail       35mm         Weight       g       492         Conductor section       max       10         Mechanical life       cycles       2000000         Safety related data       Performance level B10d according to EN/ISO 13489-1       Performance level B10d according to EN/ISO 13489-1         Performance level B10d according to IEC/EN 609474-4-1       yes       2000000         Mirror contats according to IEC/EN 609474-4-1       yes       2000000         Mirror contats according to IEC/EN 609474-4-1       yes       2000000         DC rated control voltage       V       10       20         DC cold operating       V       10       20         DC out operating voltage       V       10       25         DC out operating       Screw / N       5.4       4.0         Average coil consumption <20°C		-	mm²	1
min         mm²         1           max         mm²         4           Power terminal protection according to IEC/EN 60529         properly wired           Mechanical features         normal         Vertical plan           allowable         ±30°         screw / DIN rail           String         Screw / DIN rail         Ssrew / DIN rail           Weight         g         492           Conductor section         max         10           Operations         max         10           Mechanical life         cycles         2000000           Electrical life         cycles         2000000           Striver otated data         mechanical load         cycles         2000000           Performance level B10d according to EN/ISO 13489-1         rated load         cycles         2000000           Micro contats according to IEC/EN 609474-4-1         yes         2000000         2000000           Micro contats according to IEC/EN 609474-4-1         yes         9C 0d operating         0         2000000           DC operationg voitage         v         110         0         25         2000000         2000000           Mechanical load         revelse frequency         min         %US         10         2		max	mm²	4
max         mm²         4           Power terminal protection according to IEC/EN 60529         P20 when properly wired         P20 when properly wired           Gerating position         normal allowable         Vertical plan		Flexible with insulated spade lug conductor section		
Power terminal protection according to IEC/EN 60529  Power terminal protection according to IEC/EN 60529  Mechanical features Operating position  normal allowable  #30°  Fixing  Screw / DIN rati 35mm Weight  Goductor section  AWG/kcmil conductor section  max 10  Operations  Mechanical life  Cycles 2000000  Safety related data  Performance level B10d according to EN/ISO 13489-1  rated load cycles 2000000  Safety related data Performance level B10d according to EN/ISO 13489-1  Fixing  DC coll operating  Performance level B10d according to EN/ISO 13489-1  rated load  cycles 2000000  Mirror contats according to IEC/EN 609474-4-1  EMC compatibility yes  DC coll operating  DC coll operating  DC coll operating  Pick-up  pick-up  pick-up  pick-up  pick-up  pick-up  min 9kUs 10 max 10 0 max 10		min	mm²	1
Dever terminal protection according to IEU/EN 60529         property wired           Mechanical features         ormal         Vertical plan           allowable         ±30°         Screw / DIN rail           allowable         g         492           Conductor section         g         492           Conductor section         max         10           Operations         vertes         2000000           Bechanical life         cycles         2000000           Electrical life         cycles         2000000           Safety related data         Performance level B104 according to EN/ISO 13489-1         rated load         cycles         2000000           Mirror contats according to EN/ISO 13489-1         yes         2000000         2000000           Mirror contats according to EN/ISO 13489-1         yes         2000000         2000000           Mirror contats according to EN/ISO 13489-1         yes         200         2000000         2000000         2000000         2000000         2000000         2000000         2000000         2000000         2000000         200         2000000         200         200         200         200         200         200         200         200         200         200         200         200		max	mm²	4
Mechanical features       ormal allowable       vertical plan +30°         Fixing       Screw / DIN rail 35mm         Weight       g       492         Conductor section       max       10         Operations       max       10         Mechanical life       cycles       2000000         Electrical life       cycles       2000000         Safaty related data       vertage coll consumption to EN/ISO 13489-1       rated load       cycles       2000000         Mirror contats according to EN/ISO 13489-1       rated load       cycles       2000000         Mirror contats according to IEC/EN 609474-4.1       yes       2000000       2000000         Mirror contats according to IEC/EN 609474-4.1       yes       2000000       2000000         Mirror contats according to IEC/EN 609474-4.1       yes       2000000       2000000         DC call operating       yes       V       10       20         DC coll operating voltage       V       10       25         DC ated control voltage       V       10       25         Max cycles frequency       min       %Us       10         Mechanical operation       cycles/h       3600       3600         Operating times       acco	Power terminal protect	tion according to IEC/EN 60529		
Operating position         normal allowable         Vertical plan ±30"           Fixing         Screw / DIN rail 35mm           Weight         g         492           Conductor section         g         492           Conductor section         max         10           Operations         max         10           Mechanical life         cycles         2000000           Safety related data         cycles         2000000           Performance level B10d according to EN/ISO 13489-1         rated load         cycles         2000000           Mirror contats according to EC/EN 609474-4-1         yes         2000000         2000000           Mirror contats according to EC/EN 609474-4-1         yes         2000000         2000000           Mirror contats according to EC/EN 609474-4-1         yes         2000000         2000000           Cond operating         yes         0         20000000         20000000           Mirror contats according to EC/EN 609474-4-1         yes         20000000         20000000           Control voltage         V         110         DC operating voltage         2000000           DC rated control voltage         in-rush         %US         10           Average coil consumption <20°C	Mechanical features			p. op on <b>y</b> o
normal allowable         Vertical plan ±30°           Fixing         Screw / DIN rail 35mm           Weight         g         492           Conductor section         max         10           Operations         max         10           Operations         cycles         2000000           Electrical life         cycles         2000000           Electrical life         cycles         2000000           Electrical life         cycles         2000000           Safety related data          2000000           Performance level B10d according to EN/ISO 13489-1         rated load         cycles         2000000           Miror contats according to IEC/EN 609474-4-1         yes         20000000         20000000           EMC compatibility         yes         20000000         20000000         20000000           DC rated control voltage         V         110         DC cold operating voltage         V         110           DC cold operating voltage         V         110         0         125           drop-out         min< %Us				
allowable         ±30°           Fixing         Screw / DIN rail           Weight         g         492           Conductor section         a         10           Operations         max         10           Operations         max         10           Mechanical life         cycles         2000000           Electrical life         cycles         2000000           Safety related data         Performance level B10d according to EN/ISO 13489-1         rated load         cycles         2000000           Mirror contats according to EN/ISO 13489-1         rated load         cycles         2000000           Mirror contats according to EN/ISO 13489-1         yes         20000000           Mirror contats according to EN/ISO 13489-1         yes         20000000           DC coll operating         yes         20000000         yes           DC coll operating voltage         v         110         20           DC rated control voltage         V         110         25           Coll operating voltage         v         10         3600           min< %US	1 01	normal		Vertical plan
FXIng         35mm           Weight         g         492           Conductor section         max         10           Operations         max         10           Operations         cycles         2000000           Electrical life         cycles         2000000           Electrical life         cycles         2000000           Safety related data         rated load         cycles         2000000           Mirror contats according to EN/ISO 13489-1         rated load         cycles         20000000           Mirror contats according to IEC/EN 609474-4.1         yes         20000000           EMC compatibility         yes         yes         20000000           DC rated control voltage         V         110         10           DC operating         v         10         20           DC rated control voltage         V         110         25           drop-out         min         %Us         10           Max cycles frequency         u         40         40           Average coil consumption ≤20°C         in-rush         W         5.4           Max cycles frequency         u         min         ms           Average time for Us control <td></td> <td></td> <td></td> <td></td>				
FXIng         35mm           Weight         g         492           Conductor section         max         10           Operations         max         10           Operations         cycles         2000000           Electrical life         cycles         2000000           Electrical life         cycles         2000000           Safety related data         rated load         cycles         2000000           Mirror contats according to EN/ISO 13489-1         rated load         cycles         20000000           Mirror contats according to IEC/EN 609474-4.1         yes         20000000           EMC compatibility         yes         yes         20000000           DC rated control voltage         V         110         10           DC operating         v         10         20           DC rated control voltage         V         110         25           drop-out         min         %Us         10           Max cycles frequency         u         40         40           Average coil consumption ≤20°C         in-rush         W         5.4           Max cycles frequency         u         min         ms           Average time for Us control <td></td> <td></td> <td></td> <td></td>				
Weight         g         492           Conductor section         max         10           Operations         max         10           Mechanical life         cycles         2000000           Electrical life         cycles         2000000           Safety related data         rated load         cycles         2000000           Performance level B10d according to EN/ISO 13489-1         rated load         cycles         2000000           Mirror contats according to EC/EN 609474-4-1         yes         20000000         yes           EMC compatibility         yes         yes         2000000         200000	Fixing			
Conductor section       max       10         Operations       vycles       2000000         Bechanical life       cycles       2000000         Electrical life       cycles       2000000         Safety related data       rated load       cycles       2000000         Mirror contats according to EN/ISO 13489-1       rated load       cycles       2000000         Mirror contats according to IEC/EN 609474-4-1       yes       20000000       20000000         DC coil operating       yes       20000000       20000000       20000000         Mirror contats according to IEC/EN 609474-4-1       yes       20000000       20000000         DC coil operating       DC rated control voltage       V       110       DC operating voltage       70         DC coll operating voltage       pick-up       min       %US       10       max         Average coil consumption ≤20°C       min       %US       10       0         Average time for Us control       in AC       closing NO       0       0         Operating times       Average time for Us control       min       ms       8         Closing NC       min       ms       10       max       min       ms       20	Weight		g	
max         10           Operations				
max         10           Operations		AWG/kcmil conductor section		
Operations				10
Mechanical life         cycles         2000000           Electrical life         cycles         200000           Safety related data             Performance level B10d according to EN/ISO 13489-1         rated load mechanical load         cycles         2000000           Mirror contats according to IEC/EN 609474-4-1         yes         2000000         2000000           Mirror contats according to IEC/EN 609474-4-1         yes         2000000         2000000           DC coll operating         yes         2000000         2000000         2000000           DC coll operating         yes         200000         2000000         2000000         2000000           DC cated control voltage         V         110         200000         200000         2000000         2000000         200000         200000	Operations			
Electrical life cycles 2000000 Safety related data Performance level B10d according to EN/ISO 13489-1 rated load cycles 2000000 Mirror contats according to EC/EN 609474-4-1 yes EMC compatibility yes EMC compatibility yes DC rated control voltage V 110 DC operating voltage pick-up pick-up pick-up min %US 70 max %US 10 max %US 40 Average coil consumption ≤20°C in-rush W 5.4 holding W 5.4 Nechanical operation cycles/h 3600 Operating times Average time for Us control in AC Closing NO min ms 10 max ms 20 Closing NC min ms 14			cvcles	20000000
Safety related data       rated load       cycles       2000000         Mirror contats according to IEC/EN 609474-4-1       yes       2000000         Mirror contats according to IEC/EN 609474-4-1       yes       2000000         DC coll operating       yes       2000000         DC coll operating       ves       yes         DC coll operating       ves       ves         DC operating voltage       v       10         DC operating voltage       ves       125         drop-out       min %Us       10         max       %Us       125         Max cycles frequency       in-rush       W       5.4         Max cycles frequency       min ms       8       3600         Operating times       verage time for Us control       in AC       in AC         Closing NO       min ms       8       max       max         Max cycles frequency       min ms       10       max       max         Closing NO       min ms       10       max       max       24         Opening NO       min ms       10       max       max       max       20         Max cycles frequency       closing NC       min ms       10       max			-	
Performance level B10d according to EN/ISO 13489-1 rated load cycles 2000000 mechanical load cycles 2000000 Mirror contats according to IEC/EN 609474-4-1 yes EMC compatibility yes C coll operating DC rated control voltage V 110 DC operating voltage pick-up pick-up pick-up drop-out min %Us 70 max %US 10 max %US 10 max %US 40 Average coil consumption ≤20°C in-rush W 5.4 holding W 5.4 holding W 5.4 holding W 5.4 Average time for Us control in AC Closing NO min ms 10 max ms 24 Opening NO min ms 10 max ms 20 Closing NC min ms 14			0)0100	2000000
rated load mechanical load         cycles cycles         200000 2000000           Mirror contats according to IEC/EN 609474-4.1         yes           EMC compatibility         yes           DC oid operating         yes           DC rated control voltage         V         110           DC operating voltage         v         110           DC operating voltage         v         110           DC operating voltage         v         125           drop-out         min         %Us         10           Average coil consumption ≤20°C         min         %Us         40           Average coil consumption ≤20°C         in-rush holding         W         5.4           Max cycles frequency         v         5.4         5.4           Average time for Us control in AC         cycles/h         3600         Operating in as           Average time for Us control in AC         min         ms         8           Opening NO         min         ms         24           Opening NO         min         ms         20           Closing NC         min         ms         20		Od according to EN/ISO 13489-1		
mechanical load         cycles         2000000           Mirror contats according to IEC/EN 609474-4-1         yes         yes           EMC compatibility         yes         yes           DC coll operating         V         110           DC operating voltage         V         110           DC operating voltage         v         125           drop-out         max         %Us         125           drop-out         max         %Us         10           Average coil consumption ≤20°C         max         %Us         40           Average coil consumption ≤20°C         in-rush holding         W         5.4           Max cycles frequency         w         5.4         5.4           Max cycles frequency         w         5.4         5.4           Average time for Us control in AC         cycles/h         3600         600           Operating times         x         x         x         x           Average time for Us control in AC         Closing NO         max         ms         24           Opening NO         max         ms         24         20           Closing NC         min         ms         10         max         20			cycles	2000000
Mirror contats according to IEC/EN 609474-4-1 EMC compatibility yes DC coil operating DC rated control voltage V 110 DC operating voltage pick-up			-	
EMC compatibility yes DC coil operating DC rated control voltage pick-up pick-up pick-up min %Us 70 max %Us 125 drop-out min %Us 10 max %Us 40 Average coil consumption ≤20°C in-rush W 5.4 holding W 5.4 Max cycles frequency Mechanical operation Closing NO min ms 8 max ms 24 Opening NO min ms 10 max ms 20 Closing NC min ms 14	Mirror contats accordin		0,0100	
DC coil operating DC rated control voltage V 110 DC operating voltage pick-up drop-out Average coil consumption ≤20°C Average coil consumption ≤20°C in-rush W 5.4 holding W 5.4 Max cycles frequency Mechanical operation Closing NO min ms 8 max ms 24 Opening NO min ms 10 max ms 20 Closing NC min ms 14				-
DC rated control voltage         V         110           DC operating voltage         pick-up         min         %Us         70           max         %Us         70         max         %Us         125           drop-out         min         %Us         10         max         %Us         40           Average coil consumption ≤20°C         min         max         %Us         40           Average coil consumption ≤20°C         in-rush         W         5.4           Max cycles frequency         w         5.4           Mechanical operation         cycles/h         3600           Operating times         w         5.4           Average time for Us control in AC         min         ms         8           Closing NO         min         ms         24           Opening NO         min         ms         24           Max         ms         20         Closing NC         min         max         ms         20				<i>J</i> 00
DC operating voltage pick-up drop-out drop-out Min %Us 70 max %Us 125 drop-out Min %Us 10 max %Us 40 Average coil consumption ≤20°C in-rush W 5.4 holding W 5.4 Max cycles frequency Mechanical operation Cycles/h 3600 Operating times Average time for Us control in AC Closing NO Min ms 8 max ms 24 Opening NO min ms 10 max ms 20 Closing NC min ms 14		ne.	V	110
pick-up         min         %Us         70           max         %Us         125           drop-out         min         %Us         10           max         %Us         10         max         %Us         40           Average coil consumption ≤20°C         min         %Us         5.4           Max cycles frequency         W         5.4           Mechanical operation         cycles/h         3600           Operating times         U         Society         3600           Average time for Us control in AC         min         ms         8           Opening NO         min         ms         8           Min         Ms         10         max           Min         ms         10         max           Min         ms         24         0           Opening NO         min         ms         10           max         ms         20         0           Closing NC         min         ms         14		<u> </u>	•	110
min%Us70 %Usdrop-outmin%Us10 maxmin%Us10 max40Average coil consumption ≤20°Cin-rush kloldingW5.4 5.4 boldingMax cycles frequency Mechanical operationcycles/h3600Operating timescycles/h3600Average time for Us control in ACminms8 a maxMaxMS24 copening NOminms24 copening NOMinms10 max320 copening NO10 max10 maxMinms10 max320 copening NO10 maxMinms10 max10 max10 maxMinms10 max10 max10 maxMinms10 max10 max10 maxMinms10 max10 max10 maxMinms10 max10 max10 maxMinms10 max10 max10 maxMinms10 max10 max10 maxMinms10 max10 max10 maxMinms10 max10 max10 maxMinms10 max10 max10 maxMinms10 max10 max10 maxMinms10 max10 max10 maxMinms10 max10 max10 max	De operating venage	nick-un		
max%Us125drop-outmin%Us10max%Us40Average coil consumption ≤20°Cin-rush holdingW5.4Max cycles frequencyw5.4Mechanical operationcycles/h3600Operating timesv3600Average time for Us control in ACminms8MaxMaxms24Opening NOminms10maxms24Opening NOminms10maxms20Closing NCminms10maxms10maxms10maxms10maxms10maxms10maxms10maxms14			%Us	70
drop-outmin max%Us %Us10 maxAverage coil consumption ≤20°Cin-rush maxW %Us5.4 %UsMax cycles frequencyw 5.45.4Mechanical operationcycles/h3600Operating timescycles/h3600Average time for Us control in ACmin Ms8 max msClosing NOmin maxms ms8 max maxMin Maxms Ms24 Max Max Ms10 max max Ms10 max maxMin Msmin Ms10 max max10 max Ms11 MaxMin Msmin Ms1414				
min%Us10 maxAverage coil consumption ≤20°Cin-rush holdingW5.4 S.4 WMax cycles frequencyW5.4Mechanical operationcycles/h3600Operating timesClosing NOVAverage time for Us control in ACminms8 maxMinms24 Opening NOMinms10 maxMinms10 maxminms20 Closing NCMinms10 maxminms14			/000	120
max%Us40Average coil consumption ≤20°Cin-rush holdingW5.4in-rush holdingW5.45.4Max cycles frequencyW5.45.4Mechanical operationcycles/h36003600Operating timesClosing NOW5.4Average time for Us control in ACmin ms8Opening NOmin maxms24Opening NOmin maxms10 maxMin closing NCmin maxms14			%Us	10
Average coil consumption ≤20°C       in-rush W 5.4 holding W 5.4         Max cycles frequency       W         Mechanical operation       cycles/h 3600         Operating times       V         Average time for Us control in AC       Image: Closing NO         Min       ms       8 max         Opening NO       Min       ms         Min       ms       10 max         Max       min       10 max         Mechanical operation       Closing NC       Image: Closing NC				
in-rush W 5.4 holding W 5.4 Max cycles frequency Mechanical operation cycles/h 3600 Operating times Average time for Us control in AC Closing NO Min ms 8 max ms 24 Opening NO min ms 10 max ms 20 Closing NC min ms 14	Average coil consumo			
holding W 5.4 Max cycles frequency Mechanical operation cycles / 3600 Operating times Average time for Us control in AC Closing NO Min ms 8 max ms 24 Opening NO Min ms 10 max ms 20 Closing NC Min ms 14			W	5.4
Max cycles frequencyMechanical operationcycles/h3600Operating timesAverage time for Us controlssAverage time for Us controlin ACssClosing NOminms8Maxms24Opening NOminms10Maxms20closing NCMinms14				
Mechanical operation cycles/h 3600 Operating times Average time for Us control in AC Closing NO Min Ms 8 max Ms 24 Opening NO Min Ms 10 max Ms 20 Closing NC Min Ms 14	Max cycles frequency			
Operating times         Average time for Us control         in AC         Closing NO         Min       ms         Max       ms         Opening NO         Min       ms         Min       ms         Min       ms         Imax			cvcles/h	3600
Average time for Us control in AC Closing NO min ms 8 max ms 24 Opening NO min ms 10 max ms 20 Closing NC min ms 14			s, e.e., m	
in AC Closing NO Min Ms 8 max Ms 24 Opening NO Min Ms 10 max Ms 20 Closing NC Min Ms 14		ontrol		
Closing NO min ms 8 max ms 24 Opening NO min ms 10 max ms 20 Closing NC min ms 14				
min ms 8 max ms 24 Opening NO min ms 10 max ms 20 Closing NC min ms 14				
maxms24Opening NOminms10maxms20Closing NCminms14		-	ms	8
Opening NO min ms 10 max ms 20 Closing NC min ms 14				
min ms 10 max ms 20 Closing NC min ms 14			mo	21
max ms 20 Closing NC min ms 14			ms	10
Closing NC min ms 14				
min ms 14				
		-	ms	14
		max	ms	28

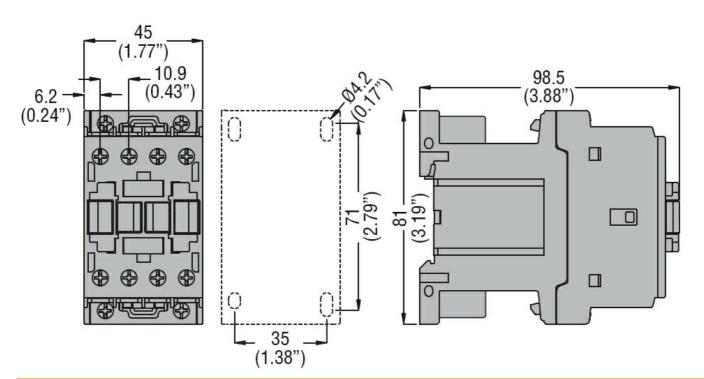
The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding



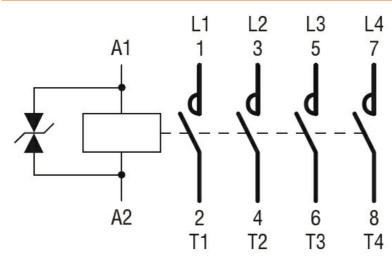
FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 25A, DC COIL, 110VDC

	Opening NC			
		min	ms	7
		max	ms	18
	in DC			
	Closing NO			
		min	ms	54
		max	ms	66
	Opening NO			
	epeg.r.e	min	ms	14
		max	ms	17
UL technical data		max	mo	.,
	LA) for three-phase AC motor			
		at 480V	А	7.6
		at 600V	A	0.375
Violded mechanical	L porformanaa	at 000 v	~	0.375
Yielded mechanical	-			
	for single-phase AC motor	440/4001		0.75
		110/120V	HP	0.75
		230V	HP	2
	for three-phase AC motor			
		200/208V	HP	3
		220/230V	HP	3
		460/480V	HP	5
		575/600V	HP	7.5
General USE				
	Contactor			
		AC current	А	25
Short-circuit protect	tion fuse, 600V			
	High fault			
	-	Short circuit current	kA	100
		Fuse rating	А	30
		Fuse class		J
	Standard fault			
		Short circuit current	kA	5
		Fuse rating	А	60
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-50
		max	°Č	70
	Storage temperature	max	<u> </u>	
	Clorage temperature	min	°C	-60
		max	°C	80
Max altitude		IIIdX		3000
Resistance & Prote	ction		m	3000
				2
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