OVATO Electric THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 9A, DC COIL, 12VDC, 1NC AUXILIARY CONTACT



Product designation			Power contactor
Product type designation			BF09
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	25
Operational current le			
	AC-1 (≤40°C)	А	25
	AC-1 (≤55°C)	А	20
	AC-1 (≤70°C)	Α	18
	AC-3 (≤440V ≤55°C)	Α	9
	AC-4 (400V)	Α	4.9
Rated operational power AC-3 (T≤55°C)			
	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)			
	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	A	15
	48V	A	13
	75V	A	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	Α	17
	110V	A	12
	220V	A	1
IEC max current le in DC1 with $L/R \le 1$ ms with 3 poles in series			
	≤24V	A	20
	48V	A	20
	75V	A	20
	110V	А	15

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220V А 10 IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series ≤24V А 20 48V А 20 75V 20 А 110V А 16 220V А 12 IEC max current le in DC3-DC5 with L/R ≤ 15ms with 1 poles in series ≤24V А 10 48V 9 А 75V 8 А 2 110V А 220V А \_ IEC max current le in DC3-DC5 with L/R ≤ 15ms with 2 poles in series ≤24V А 13 48V А 11 75V А 10 110V А 7 220V А 2 IEC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series ≤24V А 15 48V 15 А 75V А 13 110V А 11 220V А 6 IEC max current le in DC3-DC5 with L/R ≤ 15ms with 4 poles in series ≤24V А 15 48V А 15 75V 15 А 110V А 12 220V 7 А Short-time allowable current for 10s (IEC/EN60947-1) А 150 Protection fuse gG (IEC) A 25 aM (IEC) А 10 Making capacity (RMS value) А 90 Breaking capacity at voltage 440V А 72 500V А 72 690V А 71 Resistance per pole (average value) 2.5 mΩ Power dissipation per pole (average value) W 1.6 lth AC-3 W 0.2 Tightening torque for terminals min Nm 1.5 max Nm 1.8 min Ibin 1.1 lbin 1.5 max Tightening torque for coil terminal min Nm 0.8 Nm 1 max min lbin 0.8

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		max	Ibin	0.74
Max number of wires	simultaneously connectable		Nr.	2
Conductor section	AWG/Kcmil			
	AWG/RCIIII	max		10
	Flexible w/o lug conductor section	max		10
		min	mm²	1
		max	mm²	6
	Flexible c/w lug conductor section	max		0
		min	mm²	1
		max	mm²	4
	Flexible with insulated spade lug conductor section			
		min	mm²	1
		max	mm²	4
Dower terminal prote	ection apporting to IEC/EN 60520			IP20 when
Power terminal prote	ction according to IEC/EN 60529			properly wired
Mechanical features				
Operating position				
		normal		Vertical plan
		allowable		±30°
Fixing				Screw / DIN rai
				35mm
Weight			g	490
Conductor section				
	AWG/kcmil conductor section			
A 111		max		10
Auxiliary contact cha	racteristics		٨	10
Thermal current Ith	asignation		A	10 A600 - P600
IEC/EN 60947-5-1 d	-			A000 - P000
Operating current AC		230V	۸	2
		230V 400V	A A	3 1.9
		400V 500V	A	1.9
Operating current DC	12	300 v	~	1.4
Operating current DC		110V	А	5.7
Operating current DC	13	1100	~	5.7
Operating current DC	515	<b>•</b> • • •	А	5.7
		27/1		0.7
		24V 48V		
		48V	А	2.9
		48V 60V	A A	2.9 2.3
		48V 60V 110V	A A A	2.9 2.3 1.25
		48V 60V 110V 125V	A A A	2.9 2.3 1.25 1.1
		48V 60V 110V	A A A	2.9 2.3 1.25
Operations		48V 60V 110V 125V 220V	A A A A	2.9 2.3 1.25 1.1 0.55
		48V 60V 110V 125V 220V	A A A A A	2.9 2.3 1.25 1.1 0.55
Mechanical life		48V 60V 110V 125V 220V	A A A A A Cycles	2.9 2.3 1.25 1.1 0.55 0.2
Mechanical life Electrical life		48V 60V 110V 125V 220V	A A A A A	2.9 2.3 1.25 1.1 0.55 0.2 20000000
Operations Mechanical life Electrical life Safety related data Performance level B	10d according to EN/ISO 13489-1	48V 60V 110V 125V 220V	A A A A A Cycles	2.9 2.3 1.25 1.1 0.55 0.2 20000000
Mechanical life Electrical life Safety related data	10d according to EN/ISO 13489-1	48V 60V 110V 125V 220V	A A A A A cycles cycles	2.9 2.3 1.25 1.1 0.55 0.2 20000000
Mechanical life Electrical life Safety related data	-	48V 60V 110V 125V 220V 600V	A A A A A Cycles cycles	2.9 2.3 1.25 1.1 0.55 0.2 20000000 2000000
Mechanical life Electrical life Safety related data Performance level B	me	48V 60V 110V 125V 220V 600V	A A A A A cycles cycles	2.9 2.3 1.25 1.1 0.55 0.2 2000000 2000000 2000000
Mechanical life Electrical life Safety related data Performance level B	-	48V 60V 110V 125V 220V 600V	A A A A A Cycles cycles	2.9 2.3 1.25 1.1 0.55 0.2 20000000 2000000

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pick-up         min         %Us         70           drop-out         min         %Us         10           Average coil consumption <20°C         in-rush         W         5.4           Max cycles frequency         w         5.4         holding         W         5.4           Max cycles frequency         cycles/h         3600         Operating time         5.4           Average time for Us control         in AC         min         ms         24           Opening NO         min         ms         10           max         ms         24         0         max         ms         24           Opening NO         min         ms         10         max         ms         24           Opening NC         min         ms         14         max         ms         24           Opening NC         min         ms         14         max         ms         16           In DC         Closing NO         min         ms         54         max         ms         16           Opening NO         min         ms         14         max         ms         17         16         16         17         16         16	DC rated control voltag	e			V	12
$\begin{tabular}{ c c c c } \hline line in the image of the i$	DC operating voltage					
max         %Us         125           drop-out         min         %Us         10           Average coil consumption s20°C         in-rush         W         5.4           Max cycles frequency         in-rush         W         5.4           Max cycles frequency         cycles/h         3600         cycles/h           Mechanical operation         cycles/h         3600         cycles/h           Operating fitmes         max         ms         8           Average time for Us control         in AC         min         ms         8           Opening NO         min         ms         10         max         ms         24           Opening NO         min         ms         10         max         ms         28           Opening NC         min         ms         18         10         max         ms         18           In DC         Closing NO         min         ms         14         max         ms         16           Closing NO         min         ms         14         max         ms         16           In DC         Closing NO         min         ms         14         max         17         max		pick-up				
drop-out         min         %Us         10           Average coil consumption ≤20°C         in-rush         W         5.4           Max cyclos frequency         vv 5.4         holding         W         5.4           Max cyclos frequency         cycles/h         3600         Operating times           Average time for Us control in AC         c/closing NO         min         ms         8           Operating times						
min         %Us         10           Average coll consumption ≤20°C         in-rush         W         5.4           Max cycles frequency         w         5.4           Max cycles frequency         cycles/h         3600           Operating frequency         cycles/h         3600           Average time for Us control in AC         min         ms         8           Opening NO         min         ms         10           Max         max         ms         24           Opening NO         min         ms         14           Max         ms         20         10           Closing NC         min         ms         14           max         ms         28         0           Opening NC         min         ms         14           max         ms         16         10           Closing NC         min         ms         14           max         ms         66         10           Opening NC         min         ms         14           max         ms         30         17           Closing NC         min         ms         17           Opening NC				max	%Us	125
max         %Us         40           Average coll consumption ≤20°C         in-rush holding         W         5.4           Max cycles frequency         w         5.4           Max cycles frequency         cycles/h         3600           Operating times         v         5.4           Average time for Us control in AC         Closing NO         min         ms         8           Closing NO         min         ms         10         max         ms         24           Opening NO         min         ms         10         max         ms         24           Opening NO         min         ms         14         max         ms         24           Opening NC         min         ms         14         max         ms         28           Opening NC         min         ms         14         max         ms         18           in DC         Closing NO         min         ms         14         max         ms         16           Opening NO         min         ms         14         max         ms         17           Closing NC         min         ms         14         max         30         17		arop-out		min	0/110	10
Average coll consumption ≤20°C         in-rush W 5.4 holding W 5.4 holding W 5.4 holding W 5.4           Max cycles frequency         S.4           Mechanical operation         cycles/h 3600           Operating times         according NO           Average time for Us control in AC         min ms 8 max ms 24           Opening NO         min ms 10 max ms 20           Closing NC         min ms 12           Opening NC         min ms 14 max ms 28           Opening NC         min ms 14           max ms 18         in DC           Closing NC         min ms 54           Max cycles/h 3600         Gening ms 54           Opening NO         min ms 54           Max ms 17         Closing NC           Max ms 18         min ms 54           Opening NO         min ms 54           Max ms 30         Opening NC           Max ms 30         Opening NC           Max ms 57         min ms 57           Ut technical data         state st						
in-rush         W         5.4 holding           Max cycles frequency         5.4           Mechanical operation         cycles/h         3600           Operating times	Average coil consumpt	ion <20°C		IIIdA	/003	40
holding         W         5.4           Max cycles/Machanical operation         cycles/h         3600           Operating times         verage time for Us control         second	, tronago con concamp			in-rush	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 Opening NO min ms 10 max ms 20 Closing NC min ms 14 max ms 28 Opening NC min ms 7 max ms 28 Opening NC min ms 7 max ms 18 in DC Closing NO min ms 54 max ms 66 Opening NO min ms 14 max ms 66 Opening NO min ms 14 max ms 66 Opening NC min ms 47 max ms 30 Opening NC min ms 47 max ms 57 UL technical data Full-load current (FLA) for three-phase AC motor Yielded mechanical performance for single-phase AC motor 200/208V HP 3						
Operating times           Average time for Us control in AC         Closing NO         min         ms         8           Opening NO         max         ms         24           Opening NO         max         ms         24           Opening NO         max         ms         24           Opening NC         max         ms         24           Opening NC         max         ms         28           Opening NC         min         ms         7           max         ms         78         10           Opening NO         min         ms         54           Max         ms         54         10           Opening NO         min         ms         54           Max         ms         14         10           Max         ms         54         11           Opening NO         min         ms         14           Max         ms         17         11           Closing NC         min         ms         24           Max         ms         30         11         11           Opening NC         min         ms         57           UL tec	Max cycles frequency			Ű		
Average time for Us control in AC         Closing NO         min         ms         8           Opening NO         min         ms         10           Opening NO         min         ms         10           Closing NC         min         ms         10           Opening NC         min         ms         14           Opening NC         min         ms         14           Opening NC         min         ms         14           In DC         Closing NO         min         ms         7           In DC         Closing NO         min         ms         54           Opening NO         min         ms         54           Opening NO         max         ms         16           Opening NO         min         ms         17           Closing NC         min         ms         14           Opening NC         min         ms         17           Closing NC         min         ms         14           Opening NC         max         ms         30           Opening NC         max         ms         30           U         textereteeeeeeeeeeeeeeeeeeeeeeeeeeeeeee					cycles/h	3600
in AC Closing NO max ms 24 Opening NO max ms 20 Closing NC min ms 14 max ms 28 Opening NC min ms 7 max ms 18 in DC Closing NO min ms 54 Opening NO min ms 54 Opening NO min ms 14 max ms 66 Opening NO min ms 14 max ms 17 Closing NC min ms 24 max ms 17 Closing NC min ms 24 max ms 30 Opening NC min ms 41 max ms 17 Closing NC min ms 44 max ms 30 Opening NC min ms 41 max ms 57 110/120V A 7.6 at 600 A 7.6 at 600 A 7.6 at 600 A 7.5 230V HP 2						
Closing NO         min         ms         8           Max         ms         24           Opening NO         max         ms         20           max         ms         20           Closing NC         min         ms         14           Opening NC         min         ms         28           Opening NC         min         ms         7           max         ms         7         18           in DC         Closing NO         max         ms         54           Min         ms         54         18         18           Opening NO         max         ms         14         18         14           Opening NO         max         ms         54         18         14         11         14         11 <t< td=""><td>Average time for Us co</td><td></td><td></td><td></td><td></td><td></td></t<>	Average time for Us co					
min         ms         8           Opening NO         min         ms         24           min         ms         10           max         ms         20           Closing NC         min         ms         14           max         ms         28           Opening NC         min         ms         7           max         ms         18           in DC         Closing NO         min         ms         54           Max         ms         66         max         ms         66           Opening NO         min         ms         14         max         ms         17           Closing NO         min         ms         14         max         ms         30           Opening NC         min         ms         14         max         ms         30           Opening NC         max         ms         30         max         ms         57           UL technical data         max         ms         57         110/120V         A         7.6           Trans         300         max         ms         57         110/120V         A         0.375		in AC				
Max         max         ms         24           Opening NO         min         ms         10           max         ms         20           Closing NC         min         ms         14           max         ms         28           Opening NC         min         ms         28           min         ms         7         max         ms         18           in DC         Closing NO         min         ms         54           Opening NO         max         ms         54           Opening NO         max         ms         14           max         ms         14         max         ms           Opening NO         min         ms         14           max         ms         17         10           Closing NC         min         ms         24           max         ms         30         11           Opening NC         min         ms         57           UL technical data         ms         47         110           Full-load current (FLA) for three-phase AC motor         at 480V         A         7.6           at 600V         A         <			Closing NO			
Opening NO         min         ms         10           Closing NC         min         ms         20           Closing NC         min         ms         14           Opening NC         min         ms         28           Opening NC         min         ms         7           in DC         Closing NO         min         ms         7           in DC         Closing NO         min         ms         54           Opening NO         min         ms         54           Opening NO         min         ms         14           Opening NO         min         ms         14           Max         ms         14         max         ms         66           Opening NO         min         ms         14         max         ms         17           Closing NC         min         ms         24         max         ms         30           Opening NC         min         ms         47         max         ms         57           UL technical data						
Image: Closing NC         min         ms         10           min         ms         20           Min         ms         14           max         ms         28           Opening NC         min         ms         7           max         ms         18         16           In DC         Closing NO         min         ms         54           Opening NO         min         ms         14           Max         ms         16         16           Opening NO         min         ms         14           Max         ms         16         17           Opening NO         min         ms         14           Max         ms         17         10           Closing NC         min         ms         14           Max         ms         30         17           Opening NC         min         ms         47           Max         ms         57         110         110           UL technical data         max         ms         57           UL technical data         for single-phase AC motor         110         110           Yielded mechan			Opening NO	max	ms	24
Image: Second state of the second state of			Opening NO	min	me	10
Closing NC         min         ms         14           Max         ms         28           Opening NC         min         ms         7           max         ms         18           in DC         Closing NO         min         ms         54           Opening NO         min         ms         54           Max         ms         66         66           Opening NO         min         ms         14           Max         ms         14         16           Opening NO         min         ms         14           Max         ms         17         16           Closing NC         min         ms         24           Max         ms         30         30           Opening NC         min         ms         47           Max         ms         57         10           UL technical data         min         ms         47           Full-load current (FLA) for three-phase AC motor         at 600V         A         7.6           Yielded mechanical performance         max         110/120V         A         0.375           Yielded mechanical performance         ms						
min         ms         14 max           Opening NC         min         ms         28           in DC         Closing NO         min         ms         18           in DC         Closing NO         min         ms         54           Opening NO         max         ms         14           Max         ms         18         18           Opening NO         min         ms         54           Max         ms         14         14           Max         ms         66         14           Opening NO         max         ms         17           Closing NC         min         ms         24           Max         ms         30           Opening NC         max         ms         57           UL technical data         max         ms         57           Full-load current (FLA) for three-phase AC motor         at 480V         A         7.6           At 800V         A         0.375         320V         110/120V         HP         0.375           Yielded mechanical performance         for three-phase AC motor         200/208V         HP         3           200/203VV         HP <td></td> <td></td> <td>Closing NC</td> <td>max</td> <td>1113</td> <td>20</td>			Closing NC	max	1113	20
max         ms         28           min         ms         7           max         ms         18           in DC         Closing NO         min           Closing NO         max         ms         54           Opening NO         max         ms         14           Opening NO         min         ms         14           Max         ms         14         max         ms         17           Closing NC         min         ms         24         max         ms         30           Opening NC         min         ms         24         max         ms         30           Opening NC         max         ms         30         max         ms         57           UL technical data         max         ms         57         max         ms         57           VIelded nechanical performance         at 600V         A         0.375         3375           Yielded mechanical performance         ms         110/120V         HP         0.75           230V         HP         0.75         230V         HP         3			eleening ite	min	ms	14
$\begin{tabular}{ c c c c } \hline min & ms & 7 & \\ max & ms & 18 & \\ \hline max & ms & 18 & \\ \hline max & ms & 54 & \\ max & ms & 66 & \\ \hline Opening NO & & & \\ \hline min & ms & 14 & \\ max & ms & 17 & \\ \hline Closing NC & & & \\ \hline min & ms & 24 & \\ max & ms & 30 & \\ \hline Opening NC & & & \\ \hline min & ms & 47 & \\ \hline max & ms & 57 & \\ \hline \hline UL technical data & & & \\ \hline Full-load current (FLA) for three-phase AC motor & & \\ \hline Till-load current (FLA) for three-phase AC motor & \\ \hline Till-load current (FLA) for three-phase AC motor & \\ \hline Till-$						
max         ms         18           in DC         Closing NO         min         ms         54           Max         ms         54         66           Opening NO         min         ms         14           Max         ms         14         max         ms         17           Closing NC         min         ms         24         max         ms         30           Opening NC         min         ms         24         max         ms         57           UL technical data         min         ms         47         max         ms         57           UL technical data         min         ms         47         max         ms         57           UL technical data         min         ms         47         max         ms         57           UL technical data         min         ms         47         max         ms         57           Ul technical data         min         ms         4480V         A         7.6         at 600V         A         0.375           Yielded mechanical performance         min         ms         110/120V         HP         0.75         220/230V         HP			Opening NC			
in DC         Closing NO         min         ms         54           Max         ms         66           Opening NO         min         ms         14           max         ms         17           Closing NC         min         ms         24           max         ms         30           Opening NC         min         ms         24           max         ms         30           Opening NC         min         ms         47           max         ms         57         10/120V         A         0.375           Vielded mechanical performance         for single-phase AC motor         110/120V         HP         0.75           230V         HP         2         10/20V         HP         3				min	ms	7
Closing NO         min         ms         54           max         ms         66           Opening NO         min         ms         14           max         ms         17           Closing NC         min         ms         24           max         ms         30           Opening NC         min         ms         24           max         ms         30         30           Opening NC         min         ms         57           VL technical data         ms         57         57           VL technical data         max         ms         57           Full-load current (FLA) for three-phase AC motor         at 480V         A         7.6           at 600V         A         0.375         30           Yielded mechanical performance         it 10/120V         A         0.375           Yielded mechanical performance         it 300V         HP         2           for three-phase AC motor         it 200/208V         HP         3           200/208V         HP         3         3				max	ms	18
min         ms         54           max         ms         66           Opening NO         min         ms         14           max         ms         14         max         ms         17           Closing NC         min         ms         24         max         ms         30           Opening NC         min         ms         24         max         ms         30           Opening NC         min         ms         47         max         ms         57           UL technical data         max         ms         57         110/120V         A         7.6           Full-load current (FLA) for three-phase AC motor         at 480V         A         7.6         31600V         A         0.375           Yielded mechanical performance         for single-phase AC motor         110/120V         HP         0.75         230V         HP         2           for three-phase AC motor         200/208V         HP         3         200/208V         HP         3		in DC				
Max         ms         66           Opening NO         min         ms         14           max         ms         17           Closing NC         min         ms         24           max         ms         30           Opening NC         min         ms         47           Max         ms         57           UL technical data         min         ms         47           Full-load current (FLA) for three-phase AC motor         at 480V         A         7.6           4600V         A         0.375         30           Yielded mechanical performance         in 10/120V         HP         0.75           230V         HP         2         2         for three-phase AC motor         200/208V         HP         3			Closing NO			- /
Opening NO         min         ms         14           max         ms         17           Closing NC         min         ms         24           max         ms         30           Opening NC         min         ms         47           max         ms         57           UL technical data           Full-load current (FLA) for three-phase AC motor         at 480V         A         7.6           Tielded mechanical performance           for single-phase AC motor         110/120V         HP         0.375           Yielded mechanical performance         110/120V         HP         0.75           230V         HP         2         for three-phase AC motor         200/208V         HP         3						
$\begin{tabular}{lllllllllllllllllllllllllllllllllll$				max	ms	66
max         ms         17           Closing NC         min         ms         24           max         ms         30           Opening NC         min         ms         47           max         ms         57           UL technical data           Full-load current (FLA) for three-phase AC motor         at 480V         A         7.6           Teilded mechanical performance         at 600V         A         0.375           Yielded mechanical performance         110/120V         HP         0.75           230V         HP         2         2           for three-phase AC motor         200/208V         HP         3			Opening NO	min	me	1 /
Closing NC         min         ms         24           max         ms         30           Opening NC         min         ms         47           max         ms         57           UL technical data         ms         57           Full-load current (FLA) for three-phase AC motor         at 480V         A         7.6           at 600V         A         0.375           Yielded mechanical performance         into 120V         HP         0.75           230V         HP         2           for three-phase AC motor         into 120V         HP         3						
minms24 maxMaxms30Opening NCMinms47 maxmaxms57UL technical dataFull-load current (FLA) for three-phase AC motorat 480VA7.6 at 600VA0.375Yielded mechanical performance for single-phase AC motor110/120VHP0.75 230VAC motor200/208VHP3200/208VHP3			Closing NC	Пах	mo	.,
Opening NC         min         ms         47           max         ms         57           UL technical data			g	min	ms	24
min ms 47 max ms 57 UL technical data Full-load current (FLA) for three-phase AC motor at 480V A 7.6 at 600V A 0.375 Yielded mechanical performance for single-phase AC motor $ \begin{array}{c} 110/120V & HP & 0.75\\230V & HP & 2\\ \hline for three-phase AC motor\\ \end{array} $				max	ms	30
maxms57UL technical dataFull-load current (FLA) for three-phase AC motorat 480VA7.6at 480VA7.6at 600VA0.375Yielded mechanical performancefor single-phase AC motor110/120VHP0.75230VHP2for three-phase AC motor200/208VHP3200/208VHP3			Opening NC			
UL technical data Full-load current (FLA) for three-phase AC motor at 480V A 7.6 at 600V A 0.375 Yielded mechanical performance for single-phase AC motor $ \begin{array}{c} 110/120V & HP & 0.75\\ 230V & HP & 2\\ \hline for three-phase AC motor\\ 200/208V & HP & 3\\ 220/230V & HP & 3\\ \end{array} $				min	ms	
Full-load current (FLA) for three-phase AC motor at 480V A 7.6 at 600V A 0.375 Yielded mechanical performance for single-phase AC motor $ \begin{array}{c} 110/120V & HP & 0.75\\ 230V & HP & 2\\ \hline for three-phase AC motor\\ 200/208V & HP & 3\\ 220/230V & HP & 3\\ \end{array} $				max	ms	57
at 480V       A       7.6         at 600V       A       0.375         Yielded mechanical performance       for single-phase AC motor       110/120V       HP       0.75         230V       HP       2       2       10/120V       HP       3         200/208V       HP       3       3       3						
at 600V         A         0.375           Yielded mechanical performance for single-phase AC motor         110/120V         HP         0.75           230V         HP         2           for three-phase AC motor         200/208V         HP         3           220/230V         HP         3	Full-load current (FLA)	tor three-phase AC mo	otor			7.0
Yielded mechanical performance       for single-phase AC motor         110/120V       HP       0.75         230V       HP       2         for three-phase AC motor       200/208V       HP       3         220/230V       HP       3						
for single-phase AC motor       110/120V       HP       0.75         230V       HP       2         for three-phase AC motor       200/208V       HP       3         220/230V       HP       3	Vielded mechanical per	rformance		al 600 v	A	0.375
110/120V       HP       0.75         230V       HP       2         for three-phase AC motor       200/208V       HP       3         220/230V       HP       3	neided mechanical per		motor			
230V         HP         2           for three-phase AC motor         200/208V         HP         3           220/230V         HP         3		ior origio pridoe AO I		110/120\/	HP	0.75
for three-phase AC motor 200/208V HP 3 220/230V HP 3						
200/208V HP 3 220/230V HP 3		for three-phase AC m	notor			
220/230V HP 3				200/208V	HP	3
				460/480V	HP	5
575/600V HP 7.5				575/600V	HP	7.5

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



ENERGY AND AUTOMATION

9A,	DC COIL,	12VDC,	1NC
	AUXILIAR	Y CONT	ACT

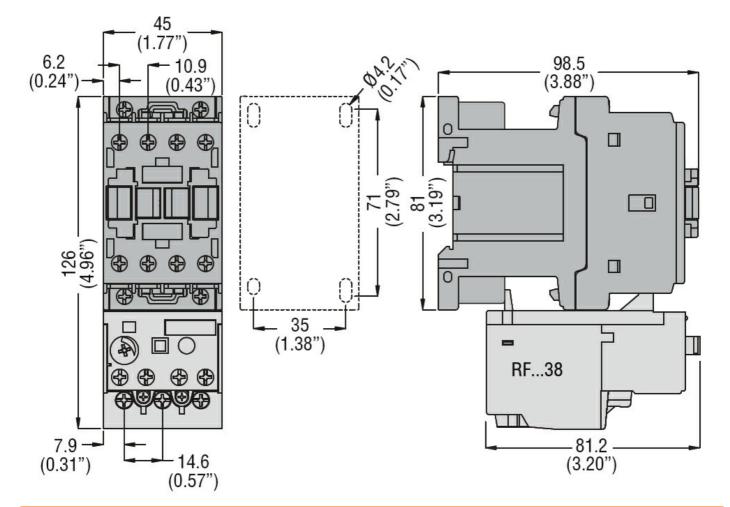
General USE				
	Contactor			
		AC current	А	25
	Auxiliary contacts			
		AC voltage	V	600
		AC current	А	10
		DC voltage	V	250
		DC current	А	1
Short-circuit protection	on fuse, 600V			
	High fault			
		Short circuit current	kA	100
		Fuse rating	А	30
		Fuse class		J
	Standard fault			
		Short circuit current	kA	5
		Fuse rating	А	60
Contact rating of aux	iliary 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 & Protec	tion			
Impact resistance				
Pollution degree				3
Dimensions				



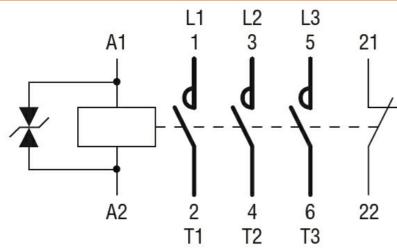
electric THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 9A, DC COIL, 12VDC, 1NC

ENERGY AND AUTOMATION

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	

electric THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 9A, DC COIL, 12VDC, 1NC AUXILIARY CONTACT

	CCC
	cULus
	EAC
ETIM classification	

ETIM 8.0

ENERGY AND AUTOMATION

EC000066 -Power contactor, AC switching

BF0901D012