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	• • • •	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



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

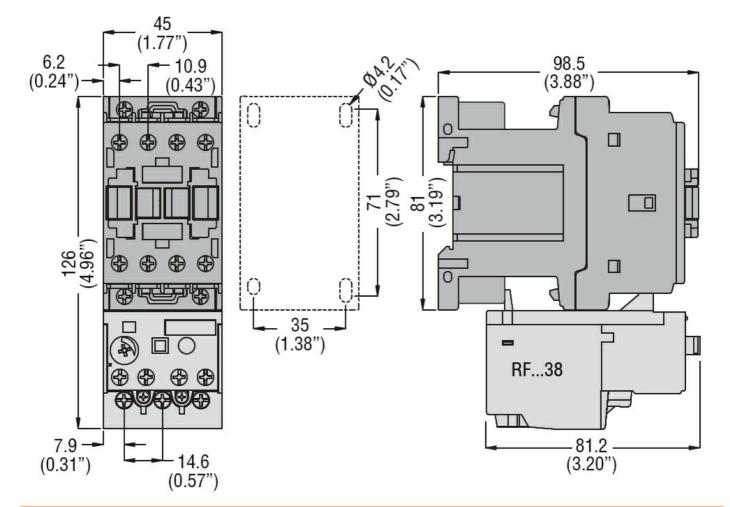
General USE				
	Contactor			
		AC current	А	25
	Auxiliary contacts			
		AC voltage	V	600
		AC current	А	10
		DC voltage	V	250
		DC current	А	1
Short-circuit protection	on fuse, 600V			
	High fault			
		Short circuit current	kA	100
		Fuse rating	А	30
		Fuse class		J
	Standard fault			
		Short circuit 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				



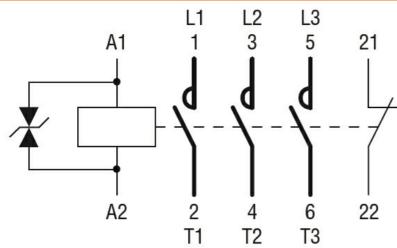
electric THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 9A, DC COIL, 12VDC, 1NC

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

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EC000066 -Power contactor, AC switching

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