# 11B630100040060



FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 1000A, AC/DC COIL, 60VAC/DC



Product designation Product type designation			Power contactor B6301000
Contact characteristics			B0301000
Number of poles		Nr.	4
Rated insulation voltage Ui IEC/EN		V	1000
Rated impulse withstand voltage Uimp		kV	8
Operational frequency			<u> </u>
	min	Hz	25
	max	Hz	400
IEC Conventional free air thermal current Ith		А	1000
Operational current le			
	AC-1 (≤40°C)	А	1000
	AC-1 (≤55°C)	А	850
	AC-1 (≤70°C)	А	700
	AC-4 (400V)	А	260
Rated operational power AC-1 (T≤40°C)			
	230V	kW	350
	400V	kW	600
	500V	kW	750
	690V	kW	1000
IEC max current le in DC1 with $L/R \le 1$ ms with 1 poles in series			
	75V	А	800
	110V	А	460
	220V	А	
	330V	A	
	460V	A	
IEC max current le in DC1 with $L/R \le 1$ ms with 2 poles in series			
	75V	A	800
	110V	A	800
	220V	A	700
	330V	A	
IFC may autrent to in DC1 with L/R < 1mg with 2 notes in action	460V	A	
IEC max current le in DC1 with $L/R \le 1$ ms with 3 poles in series	75V	۸	800
	110V	A A	800
	220V	A	800
	330V	A	700
	460V	A	
IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series	1001	~~	
	75V	А	800
	110V	A	800
	220V	A	800
	330V	A	750
	460V	A	700

### IEC max current le in DC3-DC5 with L/R ≤ 15ms with 1 poles in series



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75V 800 А 110V А 460 220V А --330V А --460V А \_\_\_ IEC max current le in DC3-DC5 with L/R ≤ 15ms with 2 poles in series 75V А 800 800 110V А 220V А 700 330V А --460V А \_\_\_ IEC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series 75V А 800 110V А 800 220V А 800 330V А 650 460V А IEC max current le in DC3-DC5 with L/R ≤ 15ms with 4 poles in series 75V А 800 110V А 800 220V А 800 330V 650 А 460V А 700 Short-time allowable current for 10s (IEC/EN60947-1) А 5600 Protection fuse gG (IEC) А 1000 Making capacity (RMS value) А 6300 Breaking capacity at voltage 440V А 6300 500V А 5600 690V А 5000 Resistance per pole (average value) mΩ 0.14 Power dissipation per pole (average value) lth W 140 AC-3 W 56 Tightening torque for terminals 55 Nm min Nm 55 max lbin 40.6 min Ibin 40.6 max Tightening torque for coil terminal 1 min Nm Nm 1 max Ibin 0.74 min Ibin 0.74 max Max number of wires simultaneously connectable 2 Nr. Conductor section AWG/Kcmil 2x 900 kcmil max Power terminal protection according to IEC/EN 60529 **IP00** Mechanical features Operating position

normal

Vertical plan



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allowable

±30°

Fixing Screw Weight 26 g Conductor section AWG/kcmil conductor section 2x 900 kcmil max Operations Mechanical life 5000000 cycles Electrical life 700000 cycles Safety related data Performance level B10d according to EN/ISO 13489-1 700000 rated load cycles mechanical load cycles 5000000 Mirror contats according to IEC/EN 609474-4-1 yes EMC compatibility yes AC coil operating Rated AC voltage at 50/60Hz V 60 AC operating voltage of 50/60Hz coil powered at 50Hz pick-up min %Us 80 %Us 110 max drop-out %Us 20 min max %Us 60 of 50/60Hz coil powered at 60Hz pick-up %Us 80 min %Us 110 max drop-out min %Us 20 %Us 60 max of 60Hz coil powered at 60Hz pick-up %Us 80 min %Us 110 max drop-out 20 %Us min max %Us 60 AC average coil consumption at 20°C of 50/60Hz coil powered at 50Hz VA 400 in-rush holding VA 18 of 50/60Hz coil powered at 60Hz in-rush VA 400 holding VA 18 Dissipation at holding ≤20°C 50Hz W 18 DC coil operating DC rated control voltage V 60 DC operating voltage pick-up min %Us 80 %Us 110 max

electric ENERGY AND AUTOMATION

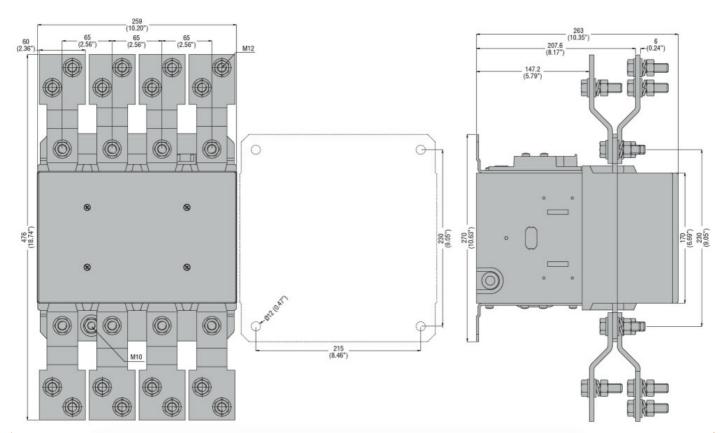
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d	drop-out				
-			min	%Us	20
			max	%Us	60
Average coil consumption	n ≤20°C		in much	147	400
			in-rush holding	W W	400 18
Max cycles frequency			Tolding		10
Mechanical operation				cycles/h	1200
Operating times					
Average time for Us contr					
ir	n AC	<b>.</b>			
		Closing NO			440
			min	ms	110
		Opening NO	max	ms	180
			min	ms	60
			max	ms	100
ir	n DC				
		Closing NO			
			min	ms	110
			max	ms	180
		Opening NO			
			min	ms	60
UL technical data			max	ms	100
General USE					
	Contactor				
	Jondoloi		AC current	А	1000
Short-circuit protection fu	use. 600V				
-	Standard fault				
			Short circuit current	kA	18
			Fuse rating	А	1500
			r doo rading		
			Fuse class		L
Ambient conditions			_		L
Temperature			_		L
Temperature	Operating temperature		Fuse class		
Temperature	Operating temperature		Fuse class	°C	-50
Temperature C			Fuse class		
Temperature C	Operating temperature Storage temperature		Fuse class min max	°C °C	-50 70
Temperature C			Fuse class min max min	℃ ℃ ℃	-50 70 -60
Temperature C			Fuse class min max	°C °C °C °C	-50 70 -60 80
Temperature C			Fuse class min max min	℃ ℃ ℃	-50 70 -60
Temperature C S Max altitude			Fuse class min max min	°C °C °C °C	-50 70 -60 80

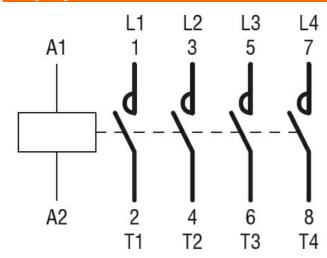
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### Wiring diagrams



#### Certifications and compliance

Compliance	
	CSA C22.2 n° 60947-1
	CSA C22.2 n° 60947-4-1
	IEC/EN 60947-1
	IEC/EN 60947-4-1
	UL 60947-1
	UL 60947-4-1
Certificates	
	CCC
	cULus
	EAC
ETIM classification	

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ETIM 8.0

EC000066 -Power contactor, AC switching