electric ENERGY AND AUTOMATION

11B630100000110 THREE-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 1000A, AC/DC COIL, 110...125VAC/DC



Product designation			Power contactor
Product type designation			B6301000
Contact characteristics			
Number of poles		Nr.	3
Rated insulation voltage Ui IEC/EN		V	1000
Rated impulse withstand voltage Uimp		kV	8
Operational frequency			
	min	Hz	25
	max	Hz	400
IEC Conventional free air thermal current Ith		A	1000
Operational current le			
	AC-1 (=40°C)	А	1000
	AC-1 (=55°C)	A	850
	AC-1 (=70°C)	A	700
	AC-4 (400V)	A	260
Rated operational power AC-1 (T=40°C)	70-4 (4007)	~	200
	230V	kW	350
	230V 400V	kW	600
	400V 500V	kW	750
	690V	kW	
IFC may surrant la in DC1 with L/D dres with 4 noise in series	090 V	KVV	1000
IEC max current le in DC1 with L/R = 1ms with 1 poles in series	751/	^	000
	75V	A	800
	110V	A	460
	220V	A	
	330V	A	
	460V	A	
IEC max current le in DC1 with L/R = 1ms with 2 poles in series			
	75V	A	800
	110V	A	800
	220V	A	700
	330V	A	
	460V	A	
IEC max current le in DC1 with L/R = 1ms with 3 poles in series			
	75V	А	800
	110V	А	800
	220V	А	800
	330V	А	700
	460V	Α	
IEC max current le in DC1 with L/R = 1ms with 4 poles in series			
	75V	А	800
	110V	А	800
	220V	А	800
	330V	А	750
	460V	А	700

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



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	75V	А	800
	110V	А	460
	220V	А	
	330V	А	
	460V	Α	
EC max current le in DC3-DC5 with $L/R = 15$ ms with 2 poles in series			
	75V	А	800
	110V	А	800
	220V	А	700
	330V	А	
	460V	Α	
EC max current le in DC3-DC5 with $L/R = 15$ ms with 3 poles in series			
	75V	А	800
	110V	А	800
	220V	А	800
	330V	А	650
	460V	А	
EC 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	А	650
	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)		m?	0.14
Power dissipation per pole (average value)			
	lth	W	140
	AC3	W	56
Tightening torque for terminals			
	min	Nm	55
	max	Nm	55
	min	lbin	40.6
	max	lbin	40.6
Tightening torque for coil terminal			
	min	Nm	1
	max	Nm	1
	min	Ibin	0.74
	max	Ibin	0.74
Max number of wires simultaneously connectable		Nr.	2
Conductor section			
AWG/Kcmil			
	max		2x 900 kcmil
Power terminal protection according to IEC/EN 60529			IP00
Mechanical features			- -
Dperating position			
- F	normal		Vertical plan
	normal		voluou piuli



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		allowable		±30°
Fixing				Screw
Weight			g	2140
Conductor section				
AV	VG/kcmil conductor section			
		max		2x 900 kcmil
Operations				
Mechanical life			cycles	5000000
Electrical life			cycles	700000
Safety related data				
Performance level B10d ac	ccording to EN/ISO 13489-1			
		rated load	cycles	700000
		mechanical load	cycles	5000000
Mirror contats according to	IEC/EN 609474-4-1			yes
EMC compatibility				yes
AC coil operating				
Rated AC voltage at 50/60	Hz, 60Hz			
		min	V	110
		max	V	125
AC operating voltage				
of	50/60Hz coil powered at 50Hz			
	pick-up			
		min	%Us	80
		max	%Us	110
	drop-out			
		min	%Us	20
		max	%Us	60
of	50/60Hz coil powered at 60Hz			
	pick-up			
		min	%Us	80
		max	%Us	110
	drop-out			
		min	%Us	20
		max	%Us	60
of	60Hz coil powered at 60Hz			
	pick-up			
		min	%Us	80
		max	%Us	110
	drop-out			
		min	%Us	20
		max	%Us	60
AC average coil consumpt				
of	50/60Hz coil powered at 50Hz			
		in-rush	VA	400
		holding	VA	18
of	50/60Hz coil powered at 60Hz			100
		in-rush	VA	400
	0.5011	holding	VA	18
Dissipation at holding =20°	C 50Hz		W	18
DC coil operating				
DC rated control voltage				
		min	V	110
		max	V	125



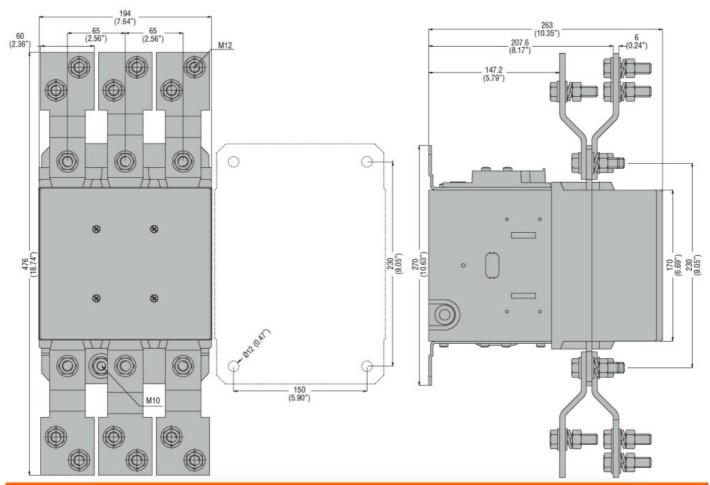
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DC operating voltage pick-up pick-up						
min %Us 80 drop-out min %Us 20 max %Us 60 Average coil consumption =20°C in-rush W 400 holding W 18 Max cycles frequency u 1200 Operating times cycles/h 1200 Average time for Us control in AC min ms 180 Opening NO min ms 100 max ms 100 100 in DC Closing NO max ms 100 in DC Closing NO min ms 100 in DC Closing NO min ms 100 Ut technical data max ms 100 Opening NO min ms 100 Short-circuit protection fuse, 600V Standard fault Short circuit current Fuse class KA 18 Anisent conditions Fuse class i 1500 Anistent conditions Fuse class	DC operating voltage					
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AC current A 1000 Short-circuit protection fuse, 600V Standard fault KA 18 Short circuit current KA 18 Fuse rating A 1500 Fuse class L Ambient conditions L Temperature min °C -50 Model min °C -50 Max altitude min °C -60 Max altitude m 3000		Contactor				
Short-circuit protection fuse, 600V Standard fault Short circuit current kA 18 Fuse rating A 1500 Fuse class L Ambient conditions Temperature Operating temperature Operating temperature Max altitude min °C -60 max °C 70 Storage temperature Max altitude min 3000 Resistance & Protection Pollution degree 3		Contactor		AC current	Α	1000
Standard fault Short circuit current KA 18 Fuse rating A 1500 Fuse class L Ambient conditions L Temperature Operating temperature Operating temperature min °C -50 max °C 70 Storage temperature min °C -60 max °C 80 Max altitude m 3000 Resistance & Protection 3	Short-circuit protection	fuse, 600V				
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Fuse rating Fuse rating Fuse class A 1500 L Ambient conditions L L Temperature Operating temperature V -50 max °C 70 Max altitude min °C -60 max °C 80 Max altitude m 3000 3				Short circuit current	kA	18
Fuse class L Ambient conditions Temperature Image: Second Seco						
Ambient conditions Temperature Operating temperature min °C -50 max °C 70 Storage temperature min °C -60 max °C 80 Max altitude m 3000 Resistance & Protection 3				-		
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Storage temperature min °C -60 max °C 80 Max altitude m 3000 Resistance & Protection 3						
min°C-60max°C80Max altitudem3000Resistance & ProtectionPollution degree3		Storage temperature				
max°C80Max altitudem3000Resistance & ProtectionPollution degree3				min	°C	-60
Max altitude m 3000 Resistance & Protection Pollution degree 3						
Resistance & Protection Pollution degree 3	Max altitude					
Pollution degree 3		on				
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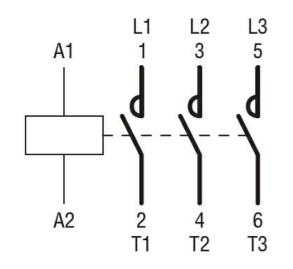
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Wiring diagrams



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



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cULus EAC

ETIM classification

ETIM 8.0

EC000066 -Power contactor, AC switching