

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



Product designation Power contactor B6301000 Product type designation Contact characteristics Nr. 3 Number of poles Rated insulation voltage Ui IEC/EN ٧ 1000 k۷ Rated impulse withstand voltage Uimp 8 Operational frequency Н 25 min Hz 400 max IEC Conventional free air thermal current Ith 1000 Α Operational current le AC-1 (≤40°C) Α 1000 AC-1 (≤55°C) Α 850 AC-1 (≤70°C) Α 700 AC-4 (400V) Α 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 ≤ 1ms with 1 poles in series 75V 800 Α 110V Α 460 220V Α 330V Α 460V Α IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series 75V Α 800 110V 800 220V Α 700 330V Α 460V Α IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series 75V Α 800 110V Α 800 220V 800 Α 330V 700 Α 460V Α IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series 75V Α 800 110V Α 800 220V 800 Α 750 330V Α 460V 700

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



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	75V	Α	800
	110V	Α	460
	220V	Α	
	330V	Α	
	460V	Α	
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 2 poles in series			
	75V	Α	800
	110V	Α	800
	220V	Α	700
	330V	Α	
	460V	Α	
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series			
	75V	Α	800
	110V	Α	800
	220V	Α	800
	330V	Α	650
	460V	Α	
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 4 poles in series			
	75V	Α	800
	110V	Α	800
	220V	Α	800
	330V	Α	650
	460V	Α	700
Short-time allowable current for 10s (IEC/EN60947-1)		Α	5600
Protection fuse			
	gG (IEC)	Α	1000
Making capacity (RMS value)		Α	6300
Breaking capacity at voltage			
	440V	Α	6300
	500V	Α	5600
	690V	Α	5000
Resistance per pole (average value)		mΩ	0.14
Power dissipation per pole (average value)			
	Ith	W	140
	AC-3	W	56
Tightening torque for terminals			
	min	Nm	55
	max	Nm	55
	min	Ibin	40.6
	max	Ibin	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			
Operating position			
	normal		Vertical plan



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Fixing Screw Weight Signature Screw Weight Signature Screw Signature Screw Signature Screw Signature Screw Signature Screw Signature Sign			allowable		±30°
Conductor section	Fixing				Screw
Conductor section	Weight			g	2120
Mechanical life cycles 5000000 Electrical life cycles 5000000 Electrical life cycles 700000 Safety related data Performance level B10d according to EN/ISO 13489-1 rated load cycles 7000000 Mirror contats according to IEC/EN 609474-4-1 Expected Compatibility cycles 5000000 Mirror contats according to IEC/EN 609474-4-1 Expected Compatibility cycles 5000000 AC coll operating Tated load cycles Cycles 5000000 Mirror contats according to IEC/EN 609474-4-1 Expected S000000 Expected Compatibility cycles 5000000 AC coll poperating Tated load cycles Cycles 5000000 AC coll according to IEC/EN 609472 coil powered at 60Hz pick-up min %US 80 AC average coil consumption at 20°C pick-up min %US 80 AC average coil consumption at 20°C					



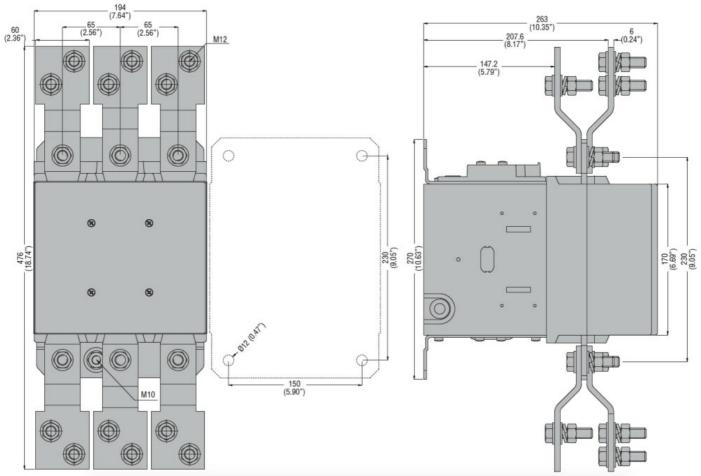


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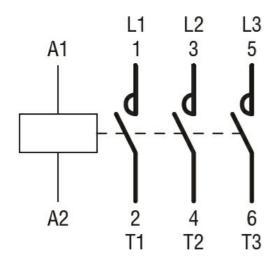
	drop-out				
			min	%Us	20
			max	%Us	60
Average coil consumpt	tion ≤20°C				
			in-rush	W	400
			holding	W	18
Max cycles frequency					
Mechanical operation				cycles/h	1200
Operating times					
Average time for Us co	ontrol				
	in AC				
		Closing NO			
		_	min	ms	110
			max	ms	180
		Opening NO			
			min	ms	60
			max	ms	100
	in DC				
		Closing NO			
		3 - 3	min	ms	110
			max	ms	180
		Opening NO			
		oponing ito	min	ms	60
			max	ms	100
UL technical data			Пах	1110	100
General USE					
Contra CCL	Contactor				
	Contactor		AC current	Α	1000
Short-circuit protection	fueo 600\/		AO current		1000
Short-circuit protection	Standard fault				
	Statiuatu iduli		Short circuit current	kA	18
				A	1500
			Fuse rating	А	
Ambient conditions			Fuse class		L
Temperature					
remperature	Operating temperature				
	Operating temperature		·!	°C	5 0
			min	°C	-50 70
	Charage tages and the		max	<u> </u>	70
	Storage temperature			۰.	00
			min	°C	-60
* * * * * * * * * * * * * * * * * * *			max	°C	80
Max altitude				m	3000
Resistance & Protection	on				
Pollution degree					3
Dimensions					

ENERGY AND AUTOMATION

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



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



11B63010000048

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

cULus			
EAC			

ETIM classification

ETIM 8.0

EC000066 -Power contactor, AC switching