

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



Product designation Power contactor B6301000 Product type designation Contact characteristics Nr. 4 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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		allowable		±30°
Fixing				Screw
Weight			g	26
Conductor section				
	AWG/kcmil conductor section			
		max		2x 900 kcmil
Operations				
Mechanical life			cycles	5000000
Electrical life			cycles	700000
Safety related data				
Performance level B10	0d according to EN/ISO 13489-1			
		rated load	cycles	700000
		mechanical load	cycles	5000000
Mirror contats according	ng to IEC/EN 609474-4-1			yes
EMC compatibility				yes
AC coil operating				
Rated AC voltage at 5	0/60Hz		V	48
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			
	1 - 1	min	%Us	80
		max	%Us	110
	drop-out			
		min	%Us	20
		max	%Us	60
	of 60Hz coil powered at 60Hz			
	pick-up			
	F15.1. 5F	min	%Us	80
		max	%Us	110
	drop-out			-
	1	min	%Us	20
		max	%Us	60
AC average coil consu	ımption at 20°C			
Č	of 50/60Hz coil powered at 50Hz			
		in-rush	VA	400
		holding	VA	18
	of 50/60Hz coil powered at 60Hz		-	
		in-rush	VA	400
		holding	VA	18
Dissipation at holding	≤20°C 50Hz	110.0.119	W	18
DC coil operating				
DC rated control voltage	ge		V	48
DC operating voltage	<u>, , , , , , , , , , , , , , , , , , , </u>		•	
20 operating voltage	pick-up			
	pion up	min	%Us	80
		max	%Us	110
		παλ	,003	. 10



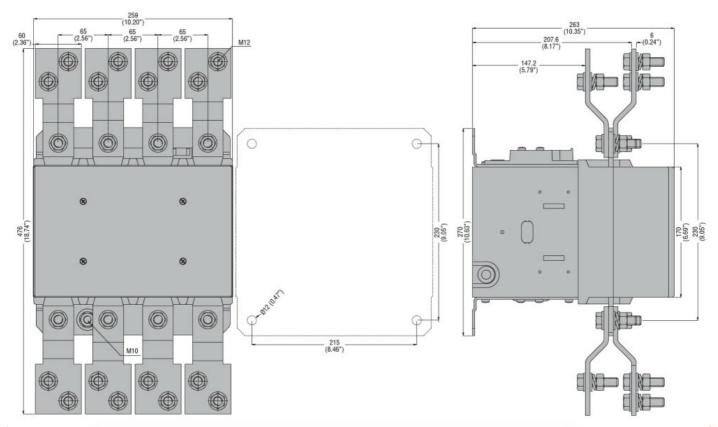


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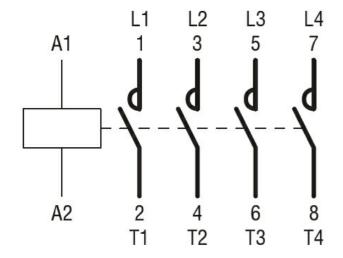
	drop-out				
	drop out		min	%Us	20
			max	%Us	60
Average coil consumpt	ion ≤20°C				
			in-rush	W	400
			holding	W	18
Max cycles frequency					
Mechanical operation				cycles/h	1200
Operating times	ntrol				
Average time for Us co	in AC				
	111710	Closing NO			
		5.55g 5	min	ms	110
			max	ms	180
		Opening NO			
		-	min	ms	60
			max	ms	100
	in DC				
		Closing NO			
			min	ms	110
		0 : 110	max	ms	180
		Opening NO	i-		00
			min	ms ms	60 100
UL technical data			max	ms	100
General USE					
Conoral CCL	Contactor				
	Contactor.		AC current	Α	1000
Short-circuit protection	fuse, 600V				
,	Standard fault				
			Short circuit current	kA	18
			Fuse rating	Α	1500
			Fuse class		L
Ambient conditions					
Temperature					
	Operating temperature			0.0	50
			min	°C	-50 70
	Storago tomporatura		max	<u> </u>	70
	Storage temperature		min	°C	-60
			max	°C	80
Max altitude			max	m	3000
Resistance & Protectio	n			- 111	
Pollution degree					3
Dimensions					

ENERGY AND AUTOMATION

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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



11B630100040048

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ETIM 8.0

EC000066 -Power contactor, AC switching