

FOUR-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.	4
Rated insulation voltage Ui IEC/EN		V	1000
Rated impulse withstand voltage Uimp		kV	8
Operational frequency		100	
Operational frequency	min	Hz	25
	max	Hz	400
IEC Conventional free air thermal current Ith	Παλ	A	1000
Operational current le			1000
Operational current le	AC 1 (<10°C)	۸	1000
	AC-1 (≤40°C)	A	1000
	AC-1 (≤55°C)	A	850
	AC-1 (≤70°C)	A	700
D. () () () () () () () () () (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	Α	800
	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	Α	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	Α	800
	330V	Α	700
	460V	Α	
IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series		<u> </u>	
	75V	Α	800
	110V	A	800
	220V	A	800
	330V	A	750
	460V	A	700
	400 /		100





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	75V	Α	800
	110V	Α	460
	220V	Α	
	330V	Α	
	460V	Α	
EC 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	
EC 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	
EC max current le in DC3-DC5 with L/R ≤ 15ms with 4 poles in series			
	75V	Α	800
	110V	A	800
	220V	Α	800
	330V	Α	650
	460V	Α	700
Short-time allowable current for 10s (IEC/EN60947-1)		A	5600
Protection fuse			
Totolon Tubb	gG (IEC)	Α	1000
Making capacity (RMS value)	9 ()	Α	6300
Breaking capacity at voltage			
and the second s	440V	Α	6300
	500V	Α	5600
	690V	Α	5000
Resistance per pole (average value)		mΩ	0.14
Power dissipation per pole (average value)			
constraint por pore (anotago value)	Ith	W	140
	AC-3	W	56
Fightening torque for terminals	7.00		
righterming torque for terminale	min	Nm	55
	max	Nm	55
	min	lbin	40.6
	max	lbin	40.6
Fightening torque for coil terminal	тах		
	min	Nm	1
	max	Nm	1
	min	lbin	0.74
	max	Ibin	0.74
Max number of wires simultaneously connectable	Παλ	Nr.	2
Conductor section		1 11.	
AWG/Kcmil			
AWG/Rullii	may		2x 900 kcmil
Power terminal protection according to IEC/EN 60529	max		IP00
Mechanical features			IF UU
Operating position	normal		\/ortical plan
	normal		Vertical plan





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	allowable		±30°
Fixing			Screw
Weight		g	2560
Operations			
Mechanical life		cycles	5000000
Electrical life		cycles	700000
Safety related data			
Performance level B10d according 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 50/60Hz, 60Hz			
	min	V	110
	max	V	125
AC operating voltage			
of 50/60Hz coil powered at 50Hz			
pick-up		0///	0.0
	min	%Us	80
1	max	%Us	110
drop-out	min	0/116	20
	min	%Us %Us	20 60
of FO/GOUZ poil powered at GOUZ	max	7008	00
of 50/60Hz coil powered at 60Hz pick-up			
pick-up	min	%Us	80
	max	%Us	110
drop-out	max	7003	110
diop 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 consumption at 20°C			
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		W	18
DC coil operating			
DC rated control voltage			440
	min	V	110
DC an austing walter as	max	V	125
DC operating voltage			
pick-up	. •	0/11-	0.0
	min	%Us	80
	max	%Us	110



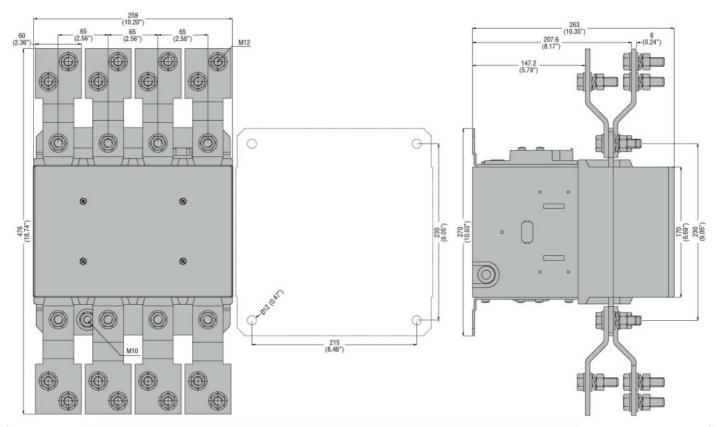


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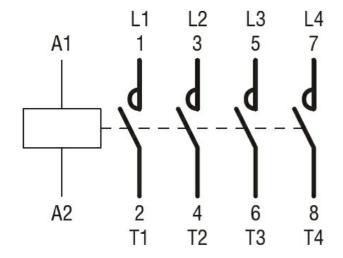
	drop-out			0/11-	00
			min	%Us	20
A4	: <00°C		max	%Us	60
Average coil consumpt	ion ≤20°C		in much	107	400
			in-rush	W	400
Max cycles frequency			holding	W	18
Mechanical operation				cycles/h	1200
Operating times				Cycles/11	1200
Average time for Us co	ntrol				
,goo .o. go oo	in AC				
		Closing NO			
		J	min	ms	110
			max	ms	180
		Opening NO			
			min	ms	60
			max	ms	100
	in DC				
		Closing NO			
			min	ms	110
			max	ms	180
		Opening NO			00
			min	ms	60
UL technical data			max	ms	100
Rated operational volta	αο ΛC (III)			V	600
General USE	ge AC (OL)			v	000
General OSL	Contactor				
	Contactor		AC current	Α	1000
Short-circuit protection	fuse, 600V		710 barront	,,	1000
Chart amount protection	Standard fault				
			Short circuit current	kA	18
			Fuse rating	Α	1500
			Fuse class		L
Ambient conditions					
Temperature					_
	Operating temperature				
			min	°C	-50
			max	°C	70
	Storage temperature				
			min	°C	-60
NA: ICC I			max	°C	80
Max altitude				m	3000
Resistance & Protectio	n				2
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



11B6301000400110

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ETIM 8.0

EC000066 -Power contactor, AC switching