

380...415VAC/DC





Product designation Power contactor Product type designation B6301000 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





FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 1000A, AC/DC COIL, 380...415VAC/DC

	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	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)			
, ,	lth	W	140
	AC-3	W	56
Fightening torque for terminals			
	min	Nm	55
	max	Nm	55
	min	lbin	40.6
	max	Ibin	40.6
Fightening torque for coil terminal			
	min	Nm	1
	max	Nm	1
	min	lbin	0.74
	max	lbin	0.74
Max number of wires simultaneously connectable	παλ	Nr.	2
Conductor section		1 11.	
AWG/Kcmil			
AVVG/NCIIII	~		المصال ٥٥٥ عمرا
Power terminal protection according to IFC/FN 00500	max		2x 900 kcmil
Power terminal protection according to IEC/EN 60529			IP00
Mechanical features			
Operating position			Mand's all 1
	normal		Vertical plan





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	allowable		±30°
Fixing			Screw
Veight		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 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	380
A Q	max	V	415
AC operating voltage			
of 50/60Hz coil powered at 50Hz			
pick-up	•	0/11-	0.0
	min	%Us	80
dana aut	max	%Us	110
drop-out		0/116	20
	min	%Us	20
of FO/COLLT and powered at COLLT	max	%Us	60
of 50/60Hz coil powered at 60Hz			
pick-up	min	%Us	80
	max	%Us	110
drop-out	Παλ	/003	110
urop-out	min	%Us	20
	max	%Us	60
of 60Hz coil powered at 60Hz	Пих	7000	
pick-up			
ριοίτ αρ	min	%Us	80
	max	%Us	110
drop-out	max	,000	
	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	<u> </u>	W	18
DC coil operating			
DC rated control voltage			
so rated control voltage			
20 Talog control voltage	min	V	380



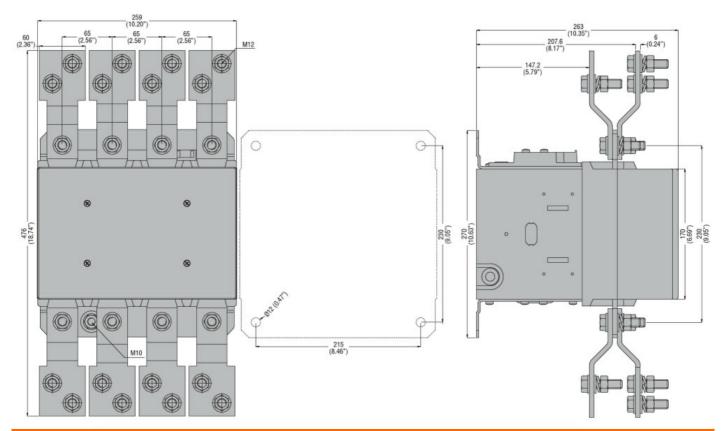


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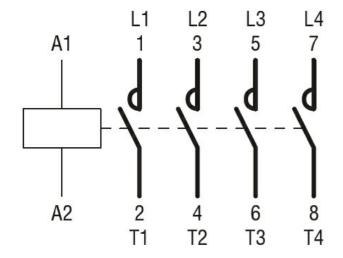
DC operating voltage					
	pick-up				
			min	%Us	80
			max	%Us	110
	drop-out				
			min	%Us	20
			max	%Us	60
Average coil consump	tion ≤20°C				
			in-rush	W	400
			holding	W	18
Max cycles frequency					
Mechanical operation				cycles/h	1200
Operating times					
Average time for Us co	ontrol				
	in AC				
		Closing NO			
		-	min	ms	110
			max	ms	180
		Opening NO			
		3 -	min	ms	60
			max	ms	100
	in DC				
	= 0	Closing NO			
		5.55g 5	min	ms	110
			max	ms	180
		Opening NO	тах	1110	100
		oponing ito	min	ms	60
			max	ms	100
UL technical data			mox	1110	100
General USE					
Ochoral OOL	Contactor				
	Contactor		AC current	Α	1000
Short-circuit protection	fuso 600V		AO CUITCH		1000
Short-circuit protection					
	Standard fault		Short circuit current	kA	18
				A	1500
			Fuse rating Fuse class	А	
Ambient conditions			ruse ciass		L
Ambient conditions					
Temperature	On another towns and				
	Operating temperature			۰.	50
			min	°C	-50 -70
			max	°C	70
	Storage temperature				
			min	°C	-60
			max	°C	80
Max altitude				m	3000
Resistance & Protection	on				
Pollution degree					3
Dimensions					

ENERGY AND AUTOMATION

FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 1000A, AC/DC COIL, 380...415VAC/DC



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



11B6301000400380

FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 1000A, AC/DC COIL, 380...415VAC/DC

ETIM 8.0

EC000066 -Power contactor, AC switching