11B400400220



electric FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 550A, AC/DC COIL, 220... 240VAC/DC



Product designation		Power contactor
Product type designation		B400
Contact characteristics		
Number of poles	nr.	4
Rated insulation voltage Ui	V	1000
Rated impulse withstand voltage Uimp	kV	8
Operating frequency		
Operational frequency min	Hz	25
Operational frequency max	Hz	400
Conventional free air thermal current Ith	Α	550
Operating current		
Operational current AC1 (≤40°C)	А	550
Operational current AC3 (≤440V ≤55°C)	А	420
Operational current AC4 (400V)	А	133
Rated operational power AC1 (T≤40°C)		
230V	kW	200
400V	kW	345
500V	kW	452
690V	kW	598
Rated operational power AC3 (T≤55°C)		
230V	kW	130
400V	kW	225
415V	kW	247
440V	kW	263
500V	kW	271
690V	kW	352
1000V	kW	208
Short-time allowable current for 10s (IEC/EN60947-1)	A	3600
Protection fuse		
gG (IEC)	А	630
aM (IEC)	A	400
Making capacity (RMS value)	A	4200
Breaking capacity at voltage		
Breaking capacity 440V	А	4000
Breaking capacity 500V	А	3400
Breaking capacity 690V	A	3360
Resistance per pole (average value)	mΩ	0.2
Power dissipation per pole (average value)		
Power dissipation pole (average value) Ith	W	52
AC3	W	32
Tightening torque for terminals		
min	Nm	35
max	Nm	35
min	lbft	25.8
max	lbft	25.8

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ENERGY AND AUTOMATION

240VAC/DC

11B400400220

	simultaneously connectable		nr.	2
conductor section				
	AWG	max		2x 300 kcmil
Power terminal protect	tion according to IEC/EN 60529	Παλ		IP00
Auxiliary contact chara				
Operational current AC			А	550
Dperating current DC1	13			
		110V	А	Screw
Ambient conditions				
Femperature				
	Operating temperature	_		
		min	°C	-50
		max	°C	70
	Storage temperature	min	°C	60
		min	°C	-60 80
Max altitude		max	 	3000
Operating position				
		normal		Vertical plan
		allowable		±30°
Mounting				Screw
Weight			g	11.12
Operations				
Mechanical life			Cycles	10000000
Electrical life			Cycles	700000
Electrical life Safety related data				
Electrical life Safety related data	0d according to EN/ISO 13489-1		Cycles	700000
Electrical life Safety related data	0d according to EN/ISO 13489-1	rated load	Cycles	700000 700000
Electrical life Safety related data Performance level B10		rated load mechanical load	Cycles	700000 700000 10000000
Electrical life Safety related data Performance level B10 Mirror contats accordir	0d according to EN/ISO 13489-1 ng to IEC/EN 609474-4-1		Cycles	700000 700000 10000000 yes
Electrical life Safety related data Performance level B10 Mirror contats accordin EMC compatibility			Cycles	700000 700000 10000000
Electrical life Safety related data Performance level B10 Mirror contats accordin EMC compatibility AC coil operating			Cycles	700000 700000 10000000 yes
Electrical life Safety related data Performance level B10 Mirror contats accordin EMC compatibility			Cycles	700000 700000 10000000 yes
Electrical life Safety related data Performance level B10 Mirror contats accordin EMC compatibility AC coil operating	ng to IEC/EN 609474-4-1		Cycles	700000 700000 10000000 yes
Electrical life Safety related data Performance level B10 Mirror contats accordin EMC compatibility AC coil operating	ng to IEC/EN 609474-4-1 of 50/60Hz coil powered at 50Hz		Cycles Cicli Cicli	700000 700000 10000000 yes yes 0.8
Electrical life Safety related data Performance level B10 Mirror contats accordin EMC compatibility AC coil operating	ng to IEC/EN 609474-4-1 of 50/60Hz coil powered at 50Hz pick-up	mechanical load	Cycles Cicli Cicli	700000 700000 10000000 yes yes
Electrical life Safety related data Performance level B10 Mirror contats accordin EMC compatibility AC coil operating	ng to IEC/EN 609474-4-1 of 50/60Hz coil powered at 50Hz	mechanical load	Cycles Cicli Cicli %Us %Us	700000 700000 10000000 yes yes 0.8 1.1
Electrical life Safety related data Performance level B10 Mirror contats accordin EMC compatibility AC coil operating	ng to IEC/EN 609474-4-1 of 50/60Hz coil powered at 50Hz pick-up	mechanical load min max min	Cycles Cicli Cicli %Us %Us %Us	700000 700000 10000000 yes yes 0.8 1.1 0.2
Electrical life Safety related data Performance level B10 Mirror contats accordin EMC compatibility AC coil operating	ng to IEC/EN 609474-4-1 of 50/60Hz coil powered at 50Hz pick-up drop-out	mechanical load	Cycles Cicli Cicli %Us %Us	700000 700000 10000000 yes yes 0.8 1.1
Electrical life Safety related data Performance level B10 Mirror contats accordin EMC compatibility AC coil operating	ng to IEC/EN 609474-4-1 of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz	mechanical load min max min	Cycles Cicli Cicli %Us %Us %Us	700000 700000 10000000 yes yes 0.8 1.1 0.2
Electrical life Safety related data Performance level B10 Mirror contats accordin EMC compatibility AC coil operating	ng to IEC/EN 609474-4-1 of 50/60Hz coil powered at 50Hz pick-up drop-out	mechanical load min max min max	Cycles Cicli Cicli %Us %Us %Us %Us	700000 700000 10000000 yes yes 0.8 1.1 0.2 0.6
Electrical life Bafety related data Performance level B10 Airror contats accordin EMC compatibility AC coil operating	ng to IEC/EN 609474-4-1 of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz	mechanical load min max min max min max	Cycles Cicli Cicli %Us %Us %Us %Us %Us	700000 700000 10000000 yes yes 0.8 1.1 0.2 0.6
Electrical life Safety related data Performance level B10 Mirror contats accordin EMC compatibility AC coil operating	ng to IEC/EN 609474-4-1 of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz pick-up	mechanical load min max min max	Cycles Cicli Cicli %Us %Us %Us %Us	700000 700000 10000000 yes yes 0.8 1.1 0.2 0.6
Electrical life Safety related data Performance level B10 Mirror contats accordin EMC compatibility AC coil operating	ng to IEC/EN 609474-4-1 of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz	mechanical load min max min max min max	Cycles Cicli Cicli %Us %Us %Us %Us %Us %Us	700000 700000 10000000 yes yes 0.8 1.1 0.2 0.6 0.8 1.1
Electrical life Safety related data Performance level B10 Mirror contats accordin EMC compatibility AC coil operating	ng to IEC/EN 609474-4-1 of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz pick-up	mechanical load min max min max min max	Cycles Cicli Cicli %Us %Us %Us %Us %Us	700000 700000 10000000 yes yes 0.8 1.1 0.2 0.6
Electrical life Safety related data Performance level B10 Mirror contats accordir EMC compatibility AC coil operating AC operating voltage	ng to IEC/EN 609474-4-1 of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz pick-up	mechanical load min max min max min max min max	Cycles Cicli Cicli %Us %Us %Us %Us %Us %Us %Us	700000 700000 10000000 yes yes 0.8 1.1 0.2 0.6 0.8 1.1 0.2 0.6
Electrical life Safety related data Performance level B10 Mirror contats accordin EMC compatibility AC coil operating	ng to IEC/EN 609474-4-1 of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz pick-up	mechanical load min max min max min max min max	Cycles Cicli Cicli %Us %Us %Us %Us %Us %Us %Us	700000 700000 10000000 yes yes 0.8 1.1 0.2 0.6 0.8 1.1 0.2 0.6
Electrical life Safety related data Performance level B10 Mirror contats accordir EMC compatibility AC coil operating AC operating voltage	ng to IEC/EN 609474-4-1 of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz pick-up drop-out	mechanical load min max min max min max min max	Cycles Cicli Cicli %Us %Us %Us %Us %Us %Us %Us	700000 700000 10000000 yes yes 0.8 1.1 0.2 0.6 0.8 1.1 0.2 0.6

The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding 11B400400220

11B400400220



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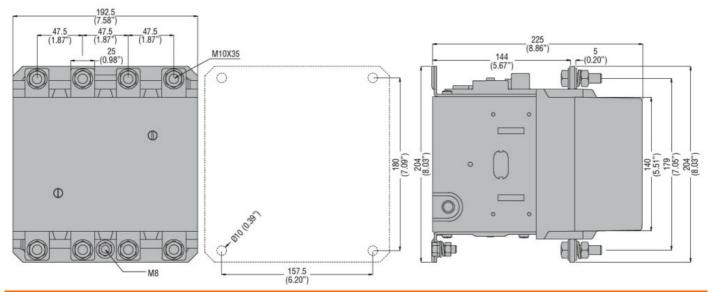
	in-rush	VA	300
	holding	VA	10
Dissipation at holding ≤20°C 50Hz		W	10
DC coil operating DC rated control voltage			
JC Taled control voltage	min	V	24
DC operating voltage	111111	v	24
pick-up			
1 1	min	%Us	0.8
	max	%Us	1.10
drop-out			
	min	%Us	0.2
	max	%Us	0.60
Average coil consuption ≤20°C			
	in-rush	W	300
	holding	W	10
Max cycles frequency		0 "	0.400
Mechanical operations		Cycles/h	2400
Operating times			
Average time for Us control in AC			
Closing NO			
	min	ms	80
	max	ms	120
Opening NO	max	mo	120
	min	ms	30
	max	ms	75
in DC			
Closing NO			
	min	ms	80
	max	ms	120
Opening NO			
	min	ms	30
	max	ms	75
UL technical data			
Full-load current (FLA) for three-phase AC motor	of 1001/	^	111
	at 480V at 600V	A A	414 382
Yielded mechanical performance	ai 000V	А	502
for three-phase AC motor			
	at 200/208V	hp	125
	at 220/230V	hp	150
	at 460/480V	hp	350
	at 575/600V	, hp	400
General USE		· ·	
Contactor			
	AC current	А	550
Other features			
Pollution degree			3
Dimensions			



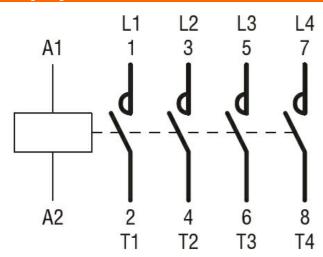
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Wiring diagrams



Certifications and compliance

Certifications	
	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
Compliance	
	CCC
	cULus
	EAC
ETIM 6 classification	

EC000066 - Power contactor, AC switching