11B400400110



FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 550A, AC/DC COIL, 110... 125VAC/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)	Α	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)	Α	3600
Protection fuse		
gG (IEC)	А	630
aM (IEC)	Α	400
Making capacity (RMS value)	Α	4200
Breaking capacity at voltage		
Breaking capacity 440V	Α	4000
Breaking capacity 500V	Α	3400
Breaking capacity 690V	Α	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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	simultaneously connectable		nr.	2
Conductor section				
	AWG	<b>2</b>		2x 200 komil
Power terminal protect	tion according to IEC/EN 60529	max		2x 300 kcmil IP00
Auxiliary contact chara				IF 00
Operational current AC			А	550
Operating current DC1				
		110V	А	Screw
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-50
	-	max	°C	70
	Storage temperature		° <b>0</b>	00
		min	°C ℃	-60
Max altitude		max		80 3000
Operating position			m	3000
		normal		Vertical plan
		allowable		±30°
Mounting				Screw
Veight			g	11.26
Operations				
Mechanical life			Cycles	10000000
Electrical life			Cycles Cycles	10000000 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 min max	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 min max	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 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	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	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 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 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 %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 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 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 %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 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 11B400400110



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			in ruch	١/٨	200
			in-rush	VA	300
Dissipation at holding :			holding	VA W	10 10
DC coil operating	SZU C 50HZ			VV	10
DC rated control voltage	A				
	JC		min	V	24
DC operating voltage				v	27
De operating venage	pick-up				
	plott up		min	%Us	0.8
			max	%Us	1.10
	drop-out				
			min	%Us	0.2
			max	%Us	0.60
Average coil consuption	on ≤20°C				
<b>.</b> .			in-rush	W	300
			holding	W	10
Max cycles frequency					
Mechanical operations				Cycles/h	2400
Operating times					
Average time for Us co	ontrol				
	in AC				
		Closing NO			
			min	ms	80
			max	ms	120
		Opening NO			
			min	ms	30
			max	ms	75
	in DC				
		Closing NO			
			min	ms	80
			max	ms	120
		Opening NO			0.0
			min	ms	30
III. technical data			max	ms	75
UL technical data	for three phase	AC motor			
Full-load current (FLA)	for three-phase		at 480V	А	414
			at 600V	A	382
Yielded mechanical pe	orformance		ai 000 V	~	502
norden meenamiear pe	for three-phas	e AC motor			
			at 200/208V	hp	125
			at 220/230V	hp	150
			at 460/480V	hp	350
			at 575/600V	hp	400
General USE				F	
	Contactor				
			AC current	А	550
Other features					
Pollution degree					3
Dimensions					

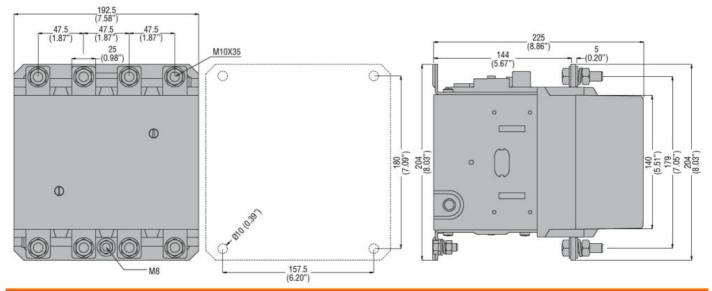
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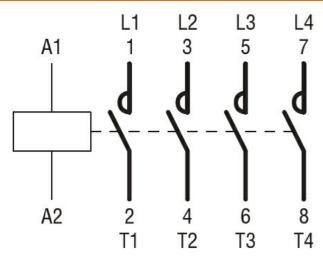
11B400400110 electric FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 550A, AC/DC COIL, 110...

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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