11B40000110



THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 420A, AC/DC COIL, 110... 125VAC/DC



Product designation			Power contactor
Product type designation			B400
Contact characteristics			
Number of poles		nr.	3
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	· · · ·	А	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 A	208
Short-time allowable current for 10s (IEC/EN	3600		
Protection fuse			
	gG (IEC)	А	630
	aM (IEC)	A	400
Making capacity (RMS value)		Α	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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max number of wires s	simultaneously connectable		nr.	2
Conductor section				
	AWG			
		max		2x 300 kcmil
	tion according to IEC/EN 60529			IP00
Auxiliary contact chara				550
Operational current AC			A	550
Operating current DC1	3	110V	۸	Sorow
Ambient conditions		TIUV	A	Screw
Temperature				
remperature	Operating temperature			
	operating temperature	min	°C	-50
		max	°Č	70
	Storage temperature		-	
	5	min	°C	-60
		max	°C	80
Max altitude			m	3000
Operating position				
		normal		Vertical plan
		allowable		±30°
Mounting				Screw
Weight			g	9.62
Operations			0 1	1000000
Mechanical life			Cycles	1000000
Electrical life			Cycles	700000
Safety related data	0d according to EN/ISO 13489-1			
	Ju according to EN/ISO 13489-1	rated load	Cicli	700000
		mechanical load	Cicli	1000000
Mirror contats accordir	ng to IEC/EN 609474-4-1	meenamearioarioaa	Cioli	yes
EMC compatibility				yes
AC coil operating				,
AC operating voltage				
	of 50/60Hz coil powered at 50Hz			
	pick-up			
	-	min	%Us	0.8
		max	%Us	1.1
	drop-out			
		min	%Us	0.2
		max	%Us	0.6
	of 50/60Hz coil powered at 60Hz			
	pick-up		0/11-	0.9
		min	%Us %Us	0.8 1.1
	drop-out	max	/005	1.1
		min	%Us	0.2
		max	%Us	0.2
		Παλ	,	5.5
AC operating voltage				
AC operating voltage	of 50/60Hz coil powered at 50Hz			
AC operating voltage	of 50/60Hz coil powered at 50Hz	in-rush	VA	300
AC operating voltage	of 50/60Hz coil powered at 50Hz	in-rush holding	VA VA	300 10



THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 420A, AC/DC COIL, 110...

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125VAC/DC

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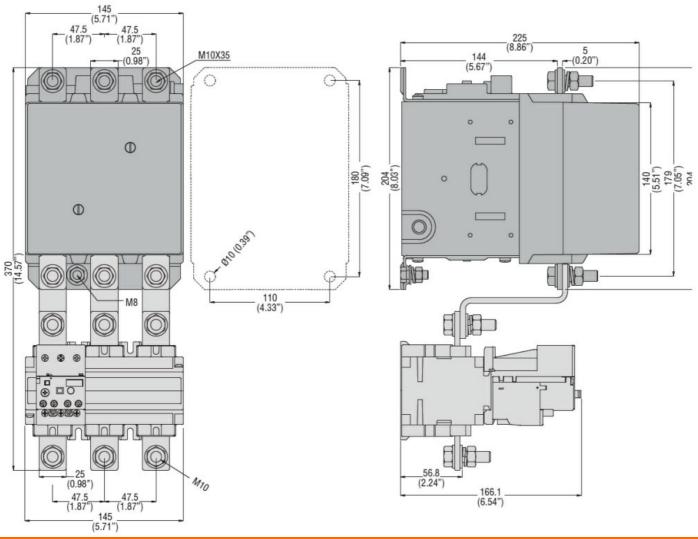
in intrusin VA 300 holding 20°C 50Hz VA 10 Dissipation at holding 520°C 50Hz V DC coll operating DC operating voltage pick-up min %US 0.8 max %US 0.8 max %US 0.00 Average coll consuption 520°C in-rush W 300 holding W 10 Max cycles fraquency Mechanical operations Cycles/h 2400 Operating voltage Closing NO min ms 80 max ms 120 Operating NO min ms 30 max ms 75 U. technical deta Full-toad current (FLA) for three-phase AC motor Full-toad current (FLA) for three-phase AC motor 4 4800V A 382 Yielded mechanical performance for three-phase AC motor At 2002089V hp 150 at 200208V hp 150 at 20000 max 150 max 150 m					
Dissipation at holding \$20°C 50Hz W 10 DC coll operating DC rated control voltage min V 24 DC operating voltage min %Us 0.6 max %Us 0.10 min %Us 0.6 drop-out min %Us 0.2 max %Us 0.60 Average coll consuption \$20°C in-rush W 300 holding W 10 Max cycles frequency Wechanical operations Cycles/h 2400 Qeetating times 2400 Average time for Us control in AC Closing NO min ms 80 max ms 120 Opening NO min ms 30 max ms 120 Opening NO min ms 30 max ms 120 UL technical data T T T T T Full-load current (FLA) for three-phase AC motor at 4800V A 414 at 500/203 at 200/203V hp<			in-rush	VA	300
DC coll operating DC rated control voltage DC operating voltage pick-up			holding		
DC rated control voltage DC operating voltage pick-up drop-out drop-out min %Us 0.8 max %Us 0.60 Average coll consuption ≤20°C in-rush W 300 holding W 10 Max cycles frequency Mechanical operations Cycles /n 24 W 300 holding W 300 Max cycles frequency Mechanical operations Cycles /n 24 Mechanical operations Max cycles frequency Mechanical operations Max cycles frequency Mechanical operations Max cycles frequency Mechanical operations Max cycles /n 24 Mechanical operations Max cycles /n 24 Mechanical operations Max cycles /n 24 Mechanical operations Max cycles /n 24 Mechanical operations Mechanical operations Max cycles /n 24 Mechanical operations Mechanical operations Me		20°C 50Hz		W	10
min V 24 DC operating voltage pick-up min %US 0.8					
DC operating voltage pick-up drop-out drop-out min %Us 0.2 max %Us 0.60 Average coll consuption ≤20°C in-rush W 300 holding W 10 Max cycles frequency Mechanical operations Operating times Average time for Us control in AC Closing NO min ms 80 max ms 75 in DC Closing NO min ms 80 max ms 75 in DC Closing NO min ms 30 max ms 75 UL technical data Full-load current (FLA) for three-phase AC motor Full-load current (FLA) for three-phase AC motor full-load current (FLA) for three-phase AC motor General USE Contactor Closing NO Min ms 30 max ms 75 UL technical data Full-load current (FLA) for three-phase AC motor General USE Contactor AC current A 550 Other features Pollution degree AC current A 550	DC rated control voltage	e			
pick-up min %Us 0.8 drop-out min %Us 0.60 Average coll consuption \$20°C in-rush W 300 Average coll consuption \$20°C in-rush W 300 Machanical operations Cycles/h 2400 Operating times Cycles/h 2400 Average time for Us control in AC min ms 80 Closing NO min ms 30 max ms 120 Opening NO min ms 30 max 120 Opening NO			min	V	24
pick-up min %Us 0.8 drop-out min %Us 0.60 Average coll consuption \$20°C in-rush W 300 Average coll consuption \$20°C in-rush W 300 Machanical operations Cycles/h 2400 Operating times Cycles/h 2400 Average time for Us control in AC min ms 80 Closing NO min ms 30 max ms 120 Opening NO min ms 30 max 120 Opening NO	DC operating voltage				
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Operating times Average time for Us control in AC Closing NO Min ms Max ms Opening NO min ms Max				0 1 "	0.400
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Maxmaxms120Minms30maxms75UL technical dataFull-load current (FLA) for three-phase AC motorat 480VA414at 600VA382Yielded mechanical performanceat 200/208Vhpfor three-phase AC motorat 220/208Vhpat 220/230Vhp150at 460/480Vhp350at 460/480Vhp350at 460/480Vhp350at 575/600Vhp400General USEAC currentA550Other featuresPollution degree3		Ŭ	min	ms	80
Opening NO min ms 30 max ms 75					
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UL technical data Full-load current (FLA) for three-phase AC motor at 480V A 414 at 600V A 382 Yielded mechanical performance for three-phase AC motor at 200/208V hp 125 at 220/230V hp 150 at 460/480V hp 350 at 460/480V hp 350 at 575/600V hp 400 General USE Contactor AC current A 550 Other features 3 3					
Full-load current (FLA) for three-phase AC motor at 480V A 414 at 600V A 382 Yielded mechanical performance for three-phase AC motor at 200/208V hp 125 at 220/230V hp 150 at 460/480V hp 350 at 460/480V hp 350 at 575/600V hp 400 General USE Contactor AC current A 550 Other features 3 3	III technical data		Шах	1110	10
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Yielded mechanical performance for three-phase AC motor at 200/208V hp 125 at 220/230V hp 150 at 460/480V hp 350 General USE Contactor AC current A 550 Other features 3					
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at 220/230V hp 150 at 460/480V hp 350 at 575/600V hp 400 General USE Contactor AC current A Other features Pollution degree 3		for three-phase AC motor		Ι.	405
at 460/480V hp 350 at 575/600V hp 400 General USE Contactor AC current A 550 Other features Pollution degree 3				•	
at 575/600V hp 400 General USE Contactor AC current A 550 Other features Pollution degree 3				-	
General USE Contactor AC current A 550 Other features Pollution degree 3				-	
Contactor AC current A 550 Other features 2 3			at 575/600V	hp	400
AC current A 550 Other features Pollution degree 3	General USE				
Other features Pollution degree 3		Contactor			
Pollution degree 3			AC current	Α	550
v	Other features				
	Pollution degree				3
	Dimensions				



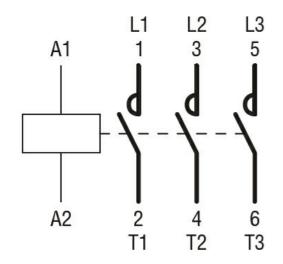
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THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 420A, AC/DC COIL, 110... 125VAC/DC

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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		

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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



THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 420A, AC/DC COIL, 110... 125VAC/DC

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	UL 60947-4-1	
Compliance		
	CCC	
	cULus	
	EAC	
ETIM 6 classificat	bn	

EC000066 - Power contactor, AC switching