



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		A	550
Operating current			
	Operational current AC1 (≤40°C)	A	550
	Operational current AC3 (≤440V ≤55°C)	A	420
	Operational current AC4 (400V)	A	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/ENG	60947-1)	A	3600
Protection fuse			
	gG (IEC)	A	630
	aM (IEC)	A	400
Making capacity (RMS value)		A	4200
Breaking capacity at voltage			1000
	Breaking capacity 440V	A	4000
	Breaking capacity 500V	A	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
<b>T</b>	AC3	W	32
Tightening torque for terminals			
	min	Nm	35
	max	Nm	35
	min	lbft	25.8
	max	lbft	25.8



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

24VAC/DC

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	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	4401/		0
		110V	A	Screw
Ambient conditions				
Femperature	Operating temperature			
	Operating temperature	min	°C	-50
		max	°C	-30 70
	Storage temperature	IIIdA	0	10
	Slorage temperature	min	°C	-60
		max	°C	-00 80
Max altitude		max	 	3000
Operating position				
		normal		Vertical plan
		allowable		±30°
Mounting				Screw
Weight			g	9.77
Operations			5	-
Mechanical life			Cycles	10000000
Electrical life			Cycles	700000
Safety related data				
Salety related data				
	0d according to EN/ISO 13489-1			
	0d according to EN/ISO 13489-1	rated load	Cicli	700000
	0d according to EN/ISO 13489-1	rated load mechanical load	Cicli Cicli	700000 10000000
Performance level B10	0d according to EN/ISO 13489-1 ng to IEC/EN 609474-4-1			
Performance level B10 Mirror contats accordin				1000000
Performance level B10 Mirror contats accordin EMC compatibility				10000000 yes
Performance level B10 Mirror contats accordin EMC compatibility AC coil operating	ng to IEC/EN 609474-4-1			10000000 yes
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			10000000 yes
Performance level B10 Mirror contats accordin EMC compatibility AC coil operating	ng to IEC/EN 609474-4-1	mechanical load	Cicli	10000000 yes yes
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	Cicli %Us	10000000 yes yes
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	Cicli	10000000 yes yes
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	Cicli %Us %Us	10000000 yes yes 0.8 1.1
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	Cicli %Us %Us %Us	10000000 yes yes 0.8 1.1 0.2
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	Cicli %Us %Us	10000000 yes yes 0.8 1.1
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	Cicli %Us %Us %Us	10000000 yes yes 0.8 1.1 0.2
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	Cicli %Us %Us %Us %Us	10000000 yes yes 0.8 1.1 0.2 0.6
Performance level B10 /lirror contats accordin MC compatibility C 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	Cicli %Us %Us %Us %Us	10000000 yes yes 0.8 1.1 0.2 0.6
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	Cicli %Us %Us %Us %Us	10000000 yes yes 0.8 1.1 0.2 0.6
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	Cicli %Us %Us %Us %Us %Us %Us	10000000 yes yes 0.8 1.1 0.2 0.6 0.8 1.1
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	Cicli %Us %Us %Us %Us %Us %Us	10000000 yes yes 0.8 1.1 0.2 0.6 0.8 1.1 0.2
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	Cicli %Us %Us %Us %Us %Us %Us	10000000 yes yes 0.8 1.1 0.2 0.6 0.8 1.1
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	Cicli %Us %Us %Us %Us %Us %Us	10000000 yes yes 0.8 1.1 0.2 0.6 0.8 1.1 0.2
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	Cicli %Us %Us %Us %Us %Us %Us %Us %Us	10000000 yes yes 0.8 1.1 0.2 0.6 0.8 1.1 0.2 0.6
Performance level B10	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	Cicli %Us %Us %Us %Us %Us %Us	10000000 yes yes 0.8 1.1 0.2 0.6 0.8 1.1 0.2

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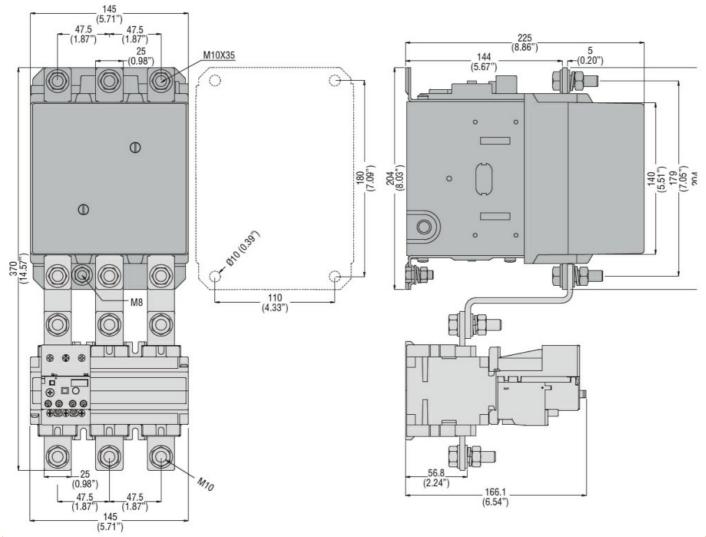


**11B4000024** THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 420A, AC/DC COIL, 24VAC/DC

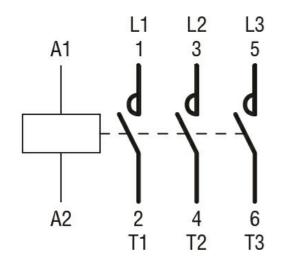
		in-rush	VA	300
		holding	VA	10
Dissipation at holding	≤20°C 50Hz		W	10
DC coil operating				
DC rated control voltage	je			
		min	V	24
DC operating voltage				
	pick-up			
		min		0.8
		max	%Us	1.10
	drop-out		0/11-	
		min		0.2
A		max	%Us	0.60
Average coil consuption	$\sin \leq 20^{\circ} \text{C}$	in much	14/	200
		in-rush		300
Max avalas fragueses		holding	W	10
Max cycles frequency Mechanical operations			Cycles/h	2400
Operating times			Cycles/h	2400
Average time for Us co	ontrol			
Average time for 05 co	in AC			
	Closing	NO		
	Closing	min	ms	80
		max		120
	Opening			
	- F	min	ms	30
		max		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			
		at 480V		414
		at 600V	А	382
Yielded mechanical pe				
	for three-phase AC motor			105
		at 200/208V	•	125
		at 220/230V	•	150
		at 460/480V	•	350
General USE		at 575/600V	hp	400
General USE	Contactor			
	Contactor	AC current	٨	550
Other features			A	550
Pollution degree				3
Dimensions				5
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	

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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



	UL 60947-4-1	
Compliance		
	CCC	
	cULus	
	EAC	
ETIM 6 classification	on	

EC000066 - Power contactor, AC switching