11B400400380

FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 550A, AC/DC COIL, 380… 415VAC/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		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 AC3A (T≤55°C)			
	Rated operational power AC3 (T≤55°C) 230V	kW	130
	Rated operational power AC3 (T≤55°C) 400V	kW	225
	Rated operational power AC3 (T≤55°C) 415V	kW	247
	Rated operational power AC3 (T≤55°C) 440V	kW	263
	Rated operational power AC3 (T≤55°C) 500V	kW	271
	Rated operational power AC3 (T≤55°C) 690V	kW	352
	Rated operational power AC3 (T≤55°C) 1000V	kW	208
Short-time allowable current for 10s (IEC/EN60947-1)		A	3600
Protection fuse			
	gG (IEC)	A	630
	aM (IEC)	A	400
Making capacity (RMS value)		A	4200
Breaking capacity at voltage			
	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
	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 simultaneously connectable			nr.	2
Conductor section				
	AWG			
		max		2x 300 kcmil
Power terminal protection according to IEC/EN 60529				IP00
Auxiliary contact characteristics				
Operational current AC1 (≤40°C)			A	550
Operating current DC13				
		110V	A	Screw
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-50
		max	°C	70
	Storage temperature			
		min	°C	-60
		max	°C	80
Max altitude			m	3000
Operating position				
		normal		Vertical plan
		allowable		±30°
Mounting				Screw
Weight			g	11.14
Operations				
Mechanical life			Cycles	10000000
Electrical life			Cycles	700000
Safety related data				
Performance level B10d according to EN/ISO 13489-1				
		rated load	Cicli	700000
		mechanical load	Cicli	10000000
Mirror contats according to IEC/EN 609474-4-1				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			
		min	%Us	0.8
		max	%Us	1.1
	drop-out			
		min	%Us	0.2
		max	%Us	0.6
AC operating voltage				
	of 50/60Hz coil powered at 50Hz			
		in-rush	VA	300
		holding	VA	10
	of 50/60Hz coil powered at 60Hz			

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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				
		min	V	24
DC operating voltage				
	pick-up			
		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				
Mechanical operations			Cycles/h	2400
Operating times				
Average time for Us control				
	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		
		min	ms	30
		max	ms	75
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 575/600V	hp	400
General USE				
	Contactor			
		AC current	A	550
Other features				
Pollution degree				3
Dimensions				

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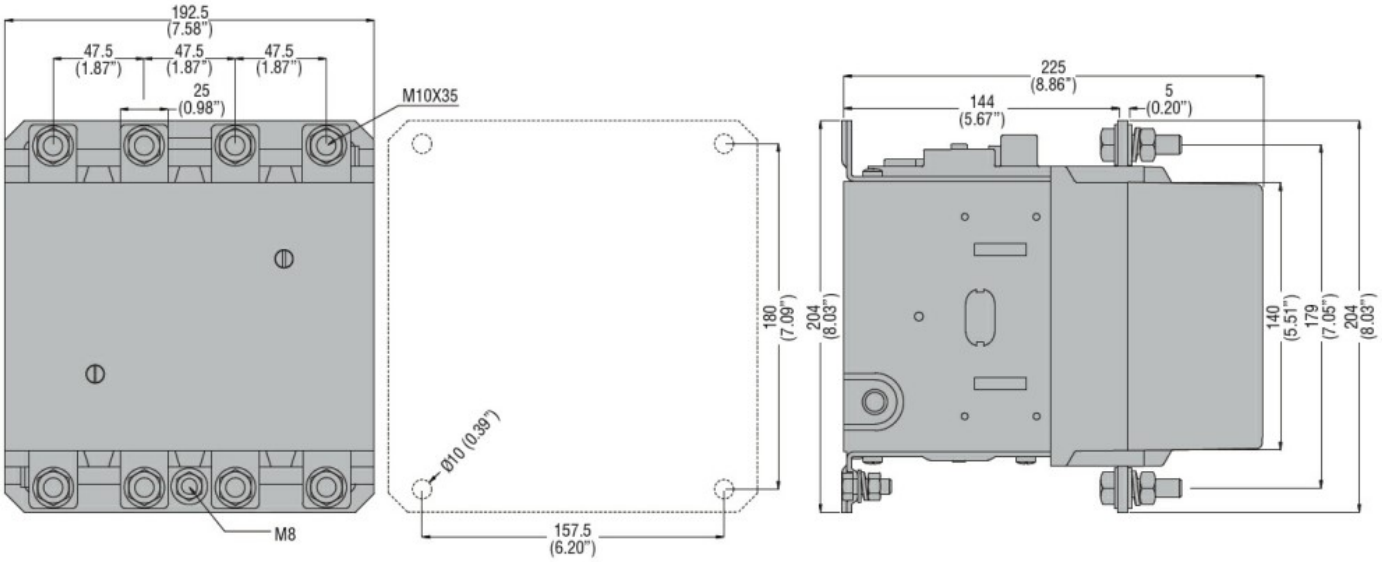
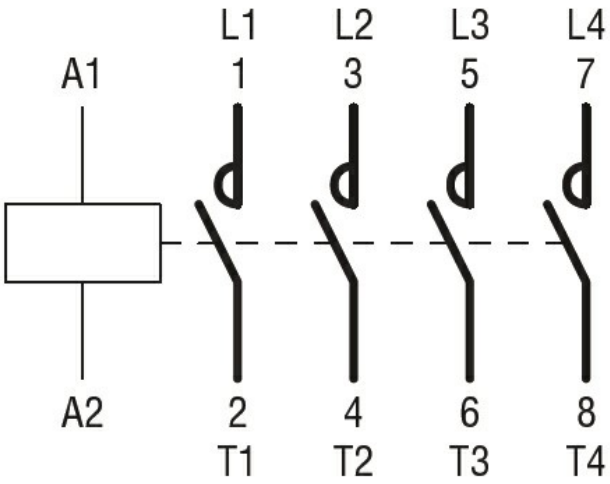


Wiring diagrams



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

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