

FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 550A, AC/DC COIL,



Product designation Product type designation			Power contactor B400
Contact characteristics			
Number of poles		Nr.	4
Rated insulation voltage Ui IEC/EN		V	1000
Rated impulse withstand voltage Uimp		kV	8
Operational frequency			_
	min	Hz	25
	max	Hz	400
IEC Conventional free air thermal current Ith		Α	550
Operational current le			
	AC-1 (≤40°C)	Α	550
	AC-1 (≤55°C)	Α	430
	AC-1 (≤70°C)	Α	360
	AC-3 (≤440V ≤55°C)	Α	420
	AC-4 (400V)	Α	200
Rated operational power AC-1 (T≤40°C)			_
	230V	kW	200
	400V	kW	345
	500V	kW	452
	690V	kW	598
IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series			
	75V	Α	400
	110V	Α	250
	220V	Α	
	330V	Α	
	460V	Α	
IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series			
	75V	Α	400
	110V	Α	400
	220V	Α	350
	330V	Α	
	460V	Α	
IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series			_
	75V	Α	400
	110V	Α	400
	220V	Α	400
	330V	Α	350
	460V	Α	
IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series			
	75V	Α	400
	110V	Α	400
	220V	Α	400
	330V	Α	400
	460V	Α	350

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EC max current le in DC3-DC5 with L/R ≤ 15ms with 1 poles in series			
	75V	Α	350
	110V	Α	200
	220V	Α	
	330V	Α	
	460V	Α	
EC max current le in DC3-DC5 with L/R ≤ 15ms with 2 poles in series			
·	75V	Α	350
	110V	Α	350
	220V	Α	280
	330V	Α	
	460V	Α	
EC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series			
20 max carrone to in 200 200 mar 2/10 = 10 mo mar o poloc in conce	75V	Α	350
	110V	A	350
	220V	A	350
	330V	A	280
	460V	A	
FC many assument to im DC2 DC5 with 1/D < 45mm with 4 males in position	4607	A	
EC max current le in DC3-DC5 with L/R ≤ 15ms with 4 poles in series	75)/		050
	75V	Α	350
	110V	Α	350
	220V	Α	350
	330V	Α	280
	460V	A	280
Short-time allowable current for 10s (IEC/EN60947-1)		Α	3600
Protection fuse			
	gG (IEC)	Α	630
	aM (IEC)	Α	400
Making capacity (RMS value)		Α	4200
Breaking capacity at voltage			
	440V	Α	4000
	500V	Α	3400
	690V	Α	3360
Resistance per pole (average value)		mΩ	0.2
Power dissipation per pole (average value)			
and another here (an energy	Ith	W	52
	AC-3	W	32
Fightening torque for terminals	7.00	•••	
ignoring torque for terminals	min	Nm	35
	max	Nm	35 35
	min	Ibin	25.8
		Ibin	25.8
Fightening torque for coil terminal	max	ווטו	20.0
nghiening torque for con terminal		N I.a.:	4
	min	Nm	1
	max	Nm	1
	min	lbin	0.74
	max	lbin	0.74
		N I.e	2
·		Nr.	
Conductor section		INF.	
·		INF.	
Max number of wires simultaneously connectable Conductor section AWG/Kcmil	max	INF.	2x 300 kcmil



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Operating position

Operating position		normal		Vertical plan
		allowable		±30°
Fixing				Screw
Weight			g	11
Conductor section				
	AWG/kcmil conductor section			
		max		2x 300 kcmil
Operations				
Mechanical life			cycles	10000000
Electrical life			cycles	700000
Safety related data				
Performance level B10	od according to EN/ISO 13489-1		_	
		rated load	cycles	700000
		mechanical load	cycles	10000000
	ng to IEC/EN 609474-4-1			yes
EMC compatibility				yes
AC coil operating	2/0011		\ /	40
Rated AC voltage at 50	J/60HZ		V	48
AC operating voltage	- (50/00LL "L L - (50LL			
	of 50/60Hz coil powered at 50Hz			
	pick-up	min	%Us	80
		min max	%Us %Us	110
	drop-out	Шах	/003	110
	drop out	min	%Us	20
		max	%Us	60
	of 50/60Hz coil powered at 60Hz		,,,,,	
	pick-up			
	r r	min	%Us	80
		max	%Us	110
	drop-out			
		min	%Us	20
		max	%Us	60
	of 60Hz coil powered at 60Hz			
	pick-up			
		min	%Us	80
		max	%Us	110
	drop-out			
		min	%Us	20
		max	%Us	60
AC average coil consu	•			
	of 50/60Hz coil powered at 50Hz			000
		in-rush	VA	300
	of FO/COLLE and requested at COLLE	holding	VA	10
	of 50/60Hz coil powered at 60Hz	in-rush	VA	300
		in-rush holding	VA VA	10
Dissipation at holding :	<20°C 50H ₇	riolality	W	10
DC coil operating	-20 O JULIZ		V V	10
DC rated control voltage	10		V	48
DC operating voltage	,∼		· ·	.5
_ operating voltage	pick-up			
	bioir ab			



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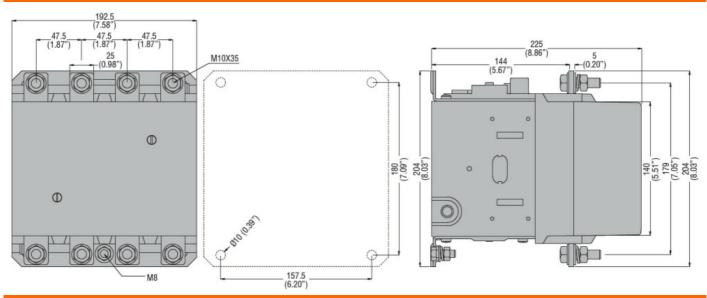
			min	%Us	80
			max	%Us	110
	drop-out				
			min	%Us	20
			max	%Us	60
Average coil consumpt	tion ≤20°C				
			in-rush	W	300
			holding	W	10
Max cycles frequency					
Mechanical operation				cycles/h	2400
Operating times					
Average time for Us co	ontrol				
	in AC				
		Closing NO			
			min	ms	80
			max	ms	120
		Opening NO			
			min	ms	30
			max	ms	75
	in DC				
		Closing NO			
			min	ms	80
		0 ' 110	max	ms	120
		Opening NO			00
			min	ms	30
UL technical data			max	ms	75
Full-load current (FLA)	for three phase AC	motor			
i uli-load culterii (i LA)	ioi tillee-pilase AC	motor	at 480V	Α	414
			at 600V	A	382
Yielded mechanical pe	rformance		at 000 v		302
riciaca medianicai pe	for three-phase A0	? motor			
	ioi tillee-pilase Ac	5 motor	200/208V	HP	125
			220/230V	HP	150
			460/480V	HP	350
			575/600V	HP	400
General USE			0.0,000		
	Contactor				
	•		AC current	Α	550
Short-circuit protection	fuse, 600V				
.,	Standard fault				
			Short circuit current	kA	18
			Fuse rating	Α	800
			Fuse class		L
Ambient conditions					
Temperature					
	Operating tempera	ature			
			min	°C	-50
			max	°C	70
	Storage temperatu	ıre			
			min	°C	-60
			max	°C	80
Max altitude Resistance & Protectio				°C m	80 3000

ENERGY AND AUTOMATION

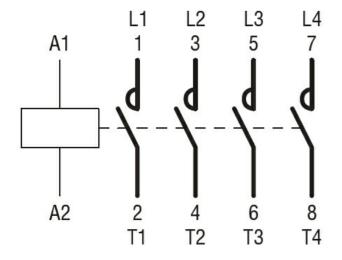
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Pollution degree 3

Dimensions



Wiring diagrams



Certifications and compliance

Compliance

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

Certificates

CCC

cULus

EAC

ETIM classification

ETIM 8.0

EC000066 -Power contactor, AC switching