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Product designation			Power contactor
Product type designation			B500
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		А	700
Operational current le			
	AC-1 (≤40°C)	A	700
	AC-1 (≤55°C)	A	550
	AC-1 (≤70°C)	A	500
	AC-3 (≤440V ≤55°C)	А	520
	AC-4 (400V)	A	240
Rated operational power AC-1 (T≤40°C)			
	230V	kW	252
	400V	kW	438
	500V	kW	575
	690V	kW	755
IEC max current le in DC1 with $L/R \le 1$ ms with 1 poles in series			
	75V	A	650
	110V	A	320
	220V	A	
	330V	A	
IFC may automate to in DC1 with 1/D < 1 may with 2 malas in action	460V	A	
IEC max current le in DC1 with $L/R \le 1$ ms with 2 poles in series		٨	050
	75V	A	650
	110V 220V	A	550 450
	220V 330V	A A	450
	460V	A	
IEC max current le in DC1 with $L/R \le 1$ ms with 3 poles in series	400 v	A	
IEC max current le in DCT with E/K S mis with 5 poles in series	75V	۸	650
	110V	A A	600
	220V	Ā	600
	330V	A	450
	460V	A	
IEC max current le in DC1 with L/R \leq 1ms with 4 poles in series	1001		
	75V	А	650
	110V	Ā	600
	220V	A	600
	330V	A	600
	460V	A	450
	+001		100

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Tower dissipation per pole (average value)	Ith	W	68.6
Power dissipation per pole (average value)			
Resistance per pole (average value)		mΩ	0.14
	690V	A	4000
	500V	A	4500
Dreaking capacity at voltage	440V	А	5000
Breaking capacity at voltage		Л	0000
Making capacity (RMS value)		A A	5000
	aM (IEC)	A	500
	gG (IEC)	А	800
Protection fuse		A	4030
Short-time allowable current for 10s (IEC/EN60947-1)	400 V	A	4050
	330V 460V	A	450 450
	220V 330V	A	450
	220V	A	550
	110V	A	550
	75V	А	550
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 4 poles in series	+007	17	
	460V	A	
	330V	A	450
	220V	A	550
	75V 110V	A A	550 550
IEC max current le in DC3-DC5 with L/R \leq 15ms with 3 poles in series	751	^	550
	460V	A	
	330V	A	
	220V	A	450
	110V	А	550
	75V	А	550
IEC max current le in DC3-DC5 with $L/R \le 15$ ms with 2 poles in series			
	460V	Α	
	330V	А	
	220V	A	
			320
	110V	A	
	75V	А	550



Operating position

	normal allowable		Vertical plan ±30°
Fixing			Screw
Neight		g	2142
Conductor section			
AWG/kcmil conductor section			
	max		2x 500 kcmil
Dperations			
Mechanical life		cycles	5000000
Electrical life		cycles	700000
Safety related data			
Performance level B10d according to EN/ISO 13489-1			
	rated load	cycles	700000
	mechanical load	cycles	5000000
Mirror contats according to IEC/EN 609474-4-1			yes
EMC compatibility			yes
AC coil operating			
Rated AC voltage at 50/60Hz, 60Hz			
	min	V	220
	max	V	240
AC operating voltage			
of 50/60Hz coil powered at 50Hz			
pick-up		0/11-	00
	min	%Us	80
drop out	max	%Us	110
drop-out	min	%Us	20
	max	%Us	60
of 50/60Hz coil powered at 60Hz	IIIdA	/003	00
pick-up			
plot up	min	%Us	80
	max	%Us	110
drop-out	Шах	/000	110
	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 consumption at 20°C			
of 50/60Hz coil powered at 50Hz			
	in-rush	VA	400
	holding	VA	18
of 50/60Hz coil powered at 60Hz			
	in-rush	VA	400
	holding	VA	18
Dissipation at holding ≤20°C 50Hz		W	

DC rated control voltage



11B500400220 CONTACTEUR 4P 700A AC1 AVEC BOBINE AC/DC 220...240V

			min	V	220
			max	V	240
DC operating voltage					
	pick-up				
			min	%Us	80
			max	%Us	110
	drop-out			o (1 1	
			min	%Us	20
	tion <200°C		max	%Us	60
Average coil consump			in-rush	W	400
			holding	W	18
Max cycles frequency			Tolding	vv	10
Mechanical operation				cycles/h	1200
Operating times				0,0100,11	1200
Average time for Us co	ontrol				
0	in AC				
		Closing NO			
		-	min	ms	110
			max	ms	180
		Opening NO			
			min	ms	60
			max	ms	100
	in DC				
		Closing NO			440
			min	ms	110 180
		Opening NO	max	ms	100
		Opening NO	min	ms	60
			max	ms	100
UL technical data				-	
General USE					
	Contactor				
			AC current	А	700
Short-circuit protection					
	Standard fault				
			Short circuit current	kA	18
			Fuse rating	А	1200
A 1 1 4 1141			Fuse class		L
Ambient conditions					
Temperature	Operating temperature				
	Operating temperature		min	°C	-50
			max	°C	-50 70
	Storage temperature		Παλ	0	
			min	°C	-60
			max	°C	80
Max altitude				m	3000
Resistance & Protectic	on				
Pollution degree					3
Dimensions [mm (in)]					

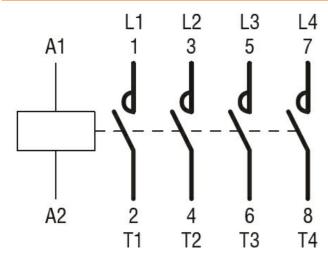
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259 (10.20") 65 (2.56") 263 (10.35") 65 (2.56") 65 6 (0.24") 177.5 G 0 Θ θ 270 (10.63") 230 (9.05") 170 6.69") 230 230 (9.05") θ θ 612 (al $(\bigcirc$ 215 (8.46") -M10

CONTACTOR TYPE	A	В	C
B500	M10	35 (1.38")	265 (10.43*)
B630	M12	40 (1.57")	270 (10.63")

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

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