



Product designation			Power contactor
Product type designation			B500
Contact characteristics			
Number of poles		Nr.	3
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	700
Operational current le		_	
	AC-1 (≤40°C)	Α	700
	AC-1 (≤55°C)	Α	550
	AC-1 (≤70°C)	Α	500
	AC-3 (≤440V ≤55°C)	Α	520
	AC-4 (400V)	Α	175
Rated operational power AC-3 (T≤55°C)			
	230V	kW	156
	400V	kW	290
	415V	kW	306
	440V	kW	328
	500V	kW	367
	690V	kW	416
D. (1	1000V	kW	312
Rated operational power AC-1 (T≤40°C)	0001/		
	230V	kW	252
	400V	kW	438
	500V	kW	575 755
IFO many automated in DOA with L/D < 4 man with 4 males in agriculture	690V	kW	755
IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series	75)/	^	050
	75V	A	650
	110V	A	320
	220V	A	
	330V	A	
IFC may current to in DC1 with L/D < 1 mg with 2 notes in cories	460V	A	_
IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series	75\/	۸	CEO.
	75V	A	650
	110V 220V	A	550 450
		A	450
	330V 460V	A	
IEC may current to in DC1 with L/B < 1mg with 2 notes in series	40UV	Α	
IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series	751/	۸	GEO.
	75V	A	650
	110V	A	600
	220V	Α	600



	330V	Α	450
	460V	Α	
IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series			
	75V	Α	650
	110V	Α	600
	220V	Α	600
	330V	Α	600
	460V	Α	450
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 1 poles in series			
·	75V	Α	550
	110V	Α	320
	220V	Α	
	330V	Α	
	460V	Α	
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 2 poles in series	100 v	- , ,	
The max current to in 500-500 with ETC 2 Tomb with 2 poics in series	75V	Α	550
	110V	A	550
	220V	A	450
	330V	A	
IFO was a support to in DO2 DO5 with 1/D < 45 and with 2 and a in action	460V	Α	
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series	75)		
	75V	Α	550
	110V	Α	550
	220V	Α	550
	330V	Α	450
	460V	A	
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 4 poles in series			
	75V	Α	550
	110V	Α	550
	220V	Α	550
	330V	Α	450
	460V	Α	450
Short-time allowable current for 10s (IEC/EN60947-1)		Α	4050
Protection fuse			
	gG (IEC)	Α	800
	aM (IEC)	Α	500
Making capacity (RMS value)	, ,	Α	6300
Breaking capacity at voltage			
J	440V	Α	6300
	500V	Α	5600
	690V	Α	5000
Resistance per pole (average value)	3001	mΩ	0.14
Power dissipation per pole (average value)		11132	V.11
i over dissipation per pole (average value)	Ith	W	68.6
	AC3	W	35
Tightening torque for terminals	AUS	٧٧	JJ
rigiteiling torque for terrilliais		Nice	25
	min	Nm	35
	max	Nm	35
	min	lbin	25.8
	max	lbin	25.8
Tightening torque for coil terminal			
	min	Nm	1
	max	Nm	1

Max number of wires simultaneously connectable		Nr.	2
Power terminal protection according to IEC/EN 60529			IP00
Mechanical features			
Operating position			
	normal		Vertical plan
	allowable		±30°
Fixing			Screw
Weight		g	1808
Operations			
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			
	min	%Us	80
	max	%Us	110
drop-out			
	min	%Us	20
	max	%Us	60
of 50/60Hz coil powered at 60Hz			
pick-up			
	min	%Us	80
	max	%Us	110
drop-out		0	
	min	%Us	20
	max	%Us	60
of 60Hz coil powered at 60Hz			
pick-up		0/11	0.0
	min	%Us	80
1	max	%Us	110
drop-out		0/11-	20
	min	%Us	20
AC average cell consumption at 2000	max	%Us	60
AC average coil consumption at 20°C			
of 50/60Hz coil powered at 50Hz		1/4	400
	in-rush	VA	400
(70/001)	holding	VA	18
of 50/60Hz coil powered at 60Hz			100
	in-rush	VA	400
	holding	VA	18
Dissipation at holding ≤20°C 50Hz		W	18

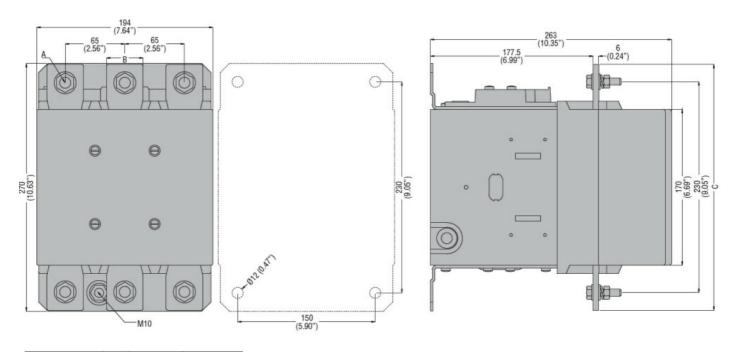
DC rated control voltage



			min	V	220
			max	V	240
DC operating voltage					
	pick-up				
			min	%Us	80
			max	%Us	110
	drop-out			0/11-	00
			min	%Us %Us	20 60
Average coil consumpt	tion <20°C		max	7005	60
Twerage our consump	11011 = 20 0		in-rush	W	400
			holding	W	18
Max cycles frequency					
Mechanical operation				cycles/h	1200
Operating times					
Average time for Us co					
	in AC	Clasina NO			
		Closing NO	min	ms	110
			max	ms	180
		Opening NO	max	1110	100
		- p	min	ms	60
			max	ms	100
	in DC				
		Closing NO			
			min	ms	110
		Opening NO	max	ms	180
		Opening NO	min	ms	60
			max	ms	100
UL technical data					
General USE					
	Contactor				
			AC current	Α	700
Short-circuit protection					
	Standard fault		Ob ant aims it assument	1. 0	4.0
			Short circuit current Fuse rating	kA A	18 1200
			Fuse class	^	L
Ambient conditions			1 430 01433		_
Temperature					
	Operating temperature				
			min	°C	-50
			max	°C	70
	Storage temperature			2.2	00
			min	°C	-60
Max altitude			max	°C	3000
Resistance & Protection	n			m	3000
Pollution degree	лі————————————————————————————————————				3
Dimensions					

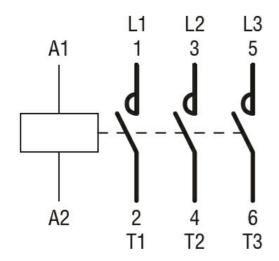
ENERGY AND AUTOMATION

THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 520A, AC/DC COIL, 220...240VAC/DC



CONTACTOR TYPE	A	В	С
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



11B50000220

THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 520A, AC/DC COIL, 220...240VAC/DC

ETIM 8.0

EC000066 -Power contactor, AC switching