11B50000380



THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 520A, AC/DC COIL, 380... 415VAC/DC



Product designation			Power contacto
Product type designation			B500
Contact characteristics			2000
Number of poles		nr.	3
Rated insulation voltage Ui		V	1000
Rated impulse withstand voltage Uimp		kV	8
Operating frequency		ιτν	0
operating frequency	Operational frequency min	⊔ →	25
	Operational frequency min	Hz	25
	Operational frequency max	Hz	400
Conventional free air thermal current Ith		A	700
Operating current			
	Operational current AC1 (≤40°C)	A	700
	Operational current AC3 (≤440V ≤55°C)	A	520
	Operational current AC4 (400V)	A	175
Rated operational power AC1 (T≤40°C)			
	230V	kW	252
	400V	kW	438
	500V	kW	575
	690V	kW	755
Rated operational power AC3 (T≤55°C)			
	230V	kW	156
	400V	kW	290
	415V	kW	306
	440V	kW	328
	500V	kW	367
	690V	kW	416
	1000V	kW	312
Short-time allowable current for 10s (IEC/EN6	0947-1)	А	4050
Protection fuse			
	gG (IEC)	А	800
	aM (IEC)	A	500
Making capacity (RMS value)		A	6300
Breaking capacity at voltage		Λ	0500
breaking capacity at voltage	Procking opposity (10)/	۸	6300
	Breaking capacity 440V	A	
	Breaking capacity 500V Breaking capacity 690V	A	5600
	Breaking capacity 690 v	A	5000
Resistance per pole (average value)		mΩ	0.14
Power dissipation per pole (average value)			
	Power dissipation pole (average value) Ith	W	68.6
	AC3	W	35
Fightening 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) = 520A, AC/DC COIL, 380... electric

ENERGY AND AUTOMATION

415VAC/DC

11B50000380

max number of wires s	simultaneously connectable		nr.	2
Conductor section				
	AWG			
		max		2x 500 kcmil
Power terminal protect	tion according to IEC/EN 60529			IP00
Auxiliary contact chara				
Operational current AC			А	700
Operating current DC1			~~~~	100
Operating current DC1	5	110\/	۸	Corour
		110V	A	Screw
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-50
		max	°C	70
	Storage temperature			
		min	°C	-60
		max	°C	80
/lax altitude		Παλ		3000
			m	3000
Operating position		<u>.</u>		
		normal		Vertical plan
		allowable		±30°
Nounting				Screw
Veight			g	18.5
Operations				
			_	500000
Mechanical life			Cvcles	5000000
			Cycles	5000000 700000
Electrical life			Cycles Cycles	700000
Electrical life Safety related data	Dd according to EN/ISO 12480 1		-	
Electrical life Safety related data	0d according to EN/ISO 13489-1	nate d la s d	Cycles	700000
Electrical life Safety related data	0d according to EN/ISO 13489-1	rated load	Cycles	700000 700000
Electrical life Safety related data Performance level B10	_	rated load mechanical load	Cycles	700000 700000 5000000
Electrical life Safety related data Performance level B10 Mirror contats accordir	Dd according to EN/ISO 13489-1 ng to IEC/EN 609474-4-1		Cycles	700000 700000
Electrical life Safety related data Performance level B10 Mirror contats accordir	_		Cycles	700000 700000 5000000
Electrical life Safety related data Performance level B10 Mirror contats accordir EMC compatibility	_		Cycles	700000 700000 5000000 yes
Electrical life Safety related data Performance level B10 Mirror contats accordin EMC compatibility AC coil operating	_		Cycles	700000 700000 5000000 yes
Electrical life Safety related data Performance level B10 Mirror contats accordin EMC compatibility AC coil operating	ng to IEC/EN 609474-4-1		Cycles	700000 700000 5000000 yes
Electrical life Safety related data 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		Cycles	700000 700000 5000000 yes
Electrical life Safety related data Performance level B10 Mirror contats accordin EMC compatibility AC coil operating	ng to IEC/EN 609474-4-1	mechanical load	Cycles Cicli Cicli	700000 700000 5000000 yes yes
Electrical life Bafety related data Performance level B10 Airror contats accordin EMC compatibility AC coil operating	ng to IEC/EN 609474-4-1 of 50/60Hz coil powered at 50Hz	mechanical load	Cycles Cicli Cicli	700000 700000 5000000 yes yes 0.8
Electrical life Bafety related data Performance level B10 Airror 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	Cycles Cicli Cicli	700000 700000 5000000 yes yes
Electrical life Safety related data 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	Cycles Cicli Cicli %Us %Us	700000 700000 5000000 yes yes 0.8 1.1
Electrical life Safety related data 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	Cycles Cicli Cicli %Us %Us %Us	700000 700000 5000000 yes yes 0.8 1.1 0.2
Electrical life Safety related data Performance level B10 Mirror contats accordir 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	Cycles Cicli Cicli %Us %Us	700000 700000 5000000 yes yes 0.8 1.1
Electrical life Safety related data Performance level B10 Mirror contats accordin EMC compatibility AC coil operating	of 50/60Hz coil powered at 50Hz pick-up drop-out	mechanical load min max min	Cycles Cicli Cicli %Us %Us %Us	700000 700000 5000000 yes yes 0.8 1.1 0.2
Electrical life Safety related data 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	Cycles Cicli Cicli %Us %Us %Us	700000 700000 5000000 yes yes 0.8 1.1 0.2
Electrical life Bafety related data Performance level B10 Airror contats accordin EMC compatibility AC coil operating	of 50/60Hz coil powered at 50Hz pick-up drop-out	mechanical load min max min	Cycles Cicli Cicli %Us %Us %Us	700000 700000 5000000 yes yes 0.8 1.1 0.2
Electrical life Bafety related data Performance level B10 Airror contats accordin EMC compatibility AC coil operating	of 50/60Hz coil powered at 50Hz pick-up drop-out	mechanical load min max min max	Cycles Cicli Cicli %Us %Us %Us %Us	700000 700000 5000000 yes yes 0.8 1.1 0.2 0.6
Electrical life Safety related data 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	Cycles Cicli Cicli %Us %Us %Us %Us %Us	700000 700000 5000000 yes yes 0.8 1.1 0.2 0.6 0.8
Electrical life Safety related data Performance level B10 Mirror contats accordir EMC compatibility AC coil operating	of 50/60Hz coil powered at 50Hz pick-up drop-out	mechanical load min max min max min max	Cycles Cicli Cicli %Us %Us %Us %Us %Us %Us	700000 700000 5000000 yes yes 0.8 1.1 0.2 0.6 0.8 1.1
Electrical life Safety related data 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	Cycles Cicli Cicli %Us %Us %Us %Us %Us %Us %Us	700000 700000 5000000 yes yes 0.8 1.1 0.2 0.6 0.8 1.1 0.2 0.6
Electrical life Safety related data Performance level B10 Mirror contats accordir 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	Cycles Cicli Cicli %Us %Us %Us %Us %Us %Us	700000 700000 5000000 yes yes 0.8 1.1 0.2 0.6 0.8 1.1
Electrical life Safety related data Performance level B10 Mirror contats accordir 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	Cycles Cicli Cicli %Us %Us %Us %Us %Us %Us %Us	700000 700000 5000000 yes yes 0.8 1.1 0.2 0.6 0.8 1.1 0.2 0.6
Electrical life Safety related data Performance level B10 Mirror contats accordir 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	Cycles Cicli Cicli %Us %Us %Us %Us %Us %Us %Us %Us %Us	700000 700000 5000000 yes yes 0.8 1.1 0.2 0.6 0.8 1.1 0.2 0.6
Electrical life Safety related data Performance level B10 Mirror contats accordir 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 min max	Cycles Cicli Cicli %Us %Us %Us %Us %Us %Us %Us %Us %Us %Us	700000 700000 5000000 yes yes 0.8 1.1 0.2 0.6 0.8 1.1 0.2 0.6 400
	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	Cycles Cicli Cicli %Us %Us %Us %Us %Us %Us %Us %Us %Us	700000 700000 5000000 yes yes 0.8 1.1 0.2 0.6 0.8 1.1 0.2 0.6

11B50000380

OV electric ENERGY AND AUTOMATION

THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 520A, AC/DC COIL, 380... 415VAC/DC

			in-rush	VA	400
Dissingtion of helding of	20%0 5011-		holding	VA	18
Dissipation at holding ≤ DC coil operating	20°C 50HZ			W	18
DC con operating DC rated control voltag	10				
DC Taled control voltag	e		min	V	24
DC operating voltage			11111	V	24
De operating voltage	pick-up				
	plok up		min	%Us	0.8
			max	%Us	1.10
	drop-out			,	
			min	%Us	0.2
			max	%Us	0.60
Average coil consuptio	n ≤20°C				
			in-rush	W	400
			holding	W	18
Max cycles frequency					
Mechanical operations				Cycles/h	n 1200
Operating times					
Average time for Us co					
	in AC				
		Closing NO			
			min	ms	110
			max	ms	180
		Opening NO			
			min	ms	60
			max	ms	100
	in DC				
		Closing NO	min	me	110
			max	ms ms	180
		Opening NO	Шах	1113	100
			min	ms	60
			max	ms	100
UL technical data					
General USE					
	Contactor				
			AC current	А	700
Other features					
Pollution degree					3
Dimensions					

11B50000380



11B50000380 THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 520A, AC/DC COIL, 380... 415VAC/DC

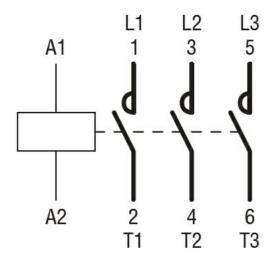
ENERGY AND AUTOMATION

194 (7.64") 263 (10.35") 65 (2.56") 65 6 (0.24") (6.99") 0 Θ R 0 0 Θ 270 170 (6.69") 230 (9.05") 230 (9.05") 0 Θ 0 -0120AT 11 0

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

-M10

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

11B50000380