





Product designation			Power contactor
Product type designation			B250
Contact characteristics			
Number of poles		Nr.	3
Rated insulation voltage Ui IEC/EN		V	1000
Rated impulse withstand voltage Uimp		kV	8
Operational frequency			0.5
	min	Hz	25
150 O	max	Hz	400
IEC Conventional free air thermal current Ith		Α	350
Operational current le	A O A (1400 O)	•	0.50
	AC-1 (≤40°C)	A	350
	AC-1 (≤55°C)	A	300
	AC-1 (≤70°C)	A	250
	AC-3 (≤440V ≤55°C)	A	265
D-1-1	AC-4 (400V)	A	115
Rated operational power AC-3 (T≤55°C)	400\/	LAAZ	1.10
Detect or cretical across AC 4 (T<40°C)	400V	kW	140
Rated operational power AC-1 (T≤40°C)	0001/	1-147	404
	230V 400V	kW	124
		kW	214
	500V	kW kW	282
IEC may current le in DC1 with L/D < 1 mg with 1 notes in series	690V	KVV	380
IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series	751/	۸	250
	75V 110V	A A	350 160
	220V	A	
	330V	A	
	460V	A	
IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series	400 V		
TEC max current le in DCT with E/N = mis with 2 poles in series	75V	Α	350
	110V	A	300
	220V	A	250
	330V	A	
	460V	A	
IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series	+00 V		
120 max canonic to in 201 with 2702 mile with 6 poloc in conce	75V	Α	350
	110V	A	300
	220V	A	300
	330V	A	250
	460V	Α	
IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series	100 V		
	75V	Α	350
	110V	Α	300
	220V	Α	300
	,	- ·	





	330V	Α	300
	460V	Α	250
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 1 poles in series			
·	75V	Α	280
	110V	Α	150
	220V	Α	
	330V	Α	
	460V	Α	
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 2 poles in series			
	75V	Α	280
	110V	Α	250
	220V	Α	200
	330V	A	
	460V	A	
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series	400 V		
TEC max current le in DC3-DC3 with L/N 3 13ms with 3 poles in series	75V	۸	200
		A	280
	110V	A	280
	220V	A	250
	330V	Α	200
	460V	Α	
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 4 poles in series			
	75V	Α	280
	110V	Α	280
	220V	Α	280
	330V	Α	200
	460V	Α	200
Short-time allowable current for 10s (IEC/EN60947-1)		Α	2200
Protection fuse			
	gG (IEC)	Α	400
	aM (IEC)	Α	250
Making capacity (RMS value)	, ,	Α	2750
Breaking capacity at voltage			
	440V	Α	2500
	500V	Α	2250
	690V	Α	2200
Resistance per pole (average value)	030 V	mΩ	0.2
Power dissipation per pole (average value)		11122	0.2
rower dissipation per pole (average value)	lth	۱۸/	04 E
	Ith	W	24.5
This is a few and few to a size of	AC-3	W	12.5
Tightening torque for terminals			
	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
	min	lbin	0.74
	max	lbin	0.74
Max number of wires simultaneously connectable		Nr.	2
Conductor section			
AWG/Kcmil			
2	max		500 kcmil
	max		000.000





	ction according to IEC/EN 60529			IP00
Mechanical features				
Operating position				
		normal		Vertical plan
		allowable		±30°
Fixing				Screw
Neight			g	9500
Conductor section				
	AWG/kcmil conductor section			
		max		500 kcmil
Operations				1000000
Mechanical life			cycles	10000000
lectrical life			cycles	1000000
Safety related data	10.1			
Performance level B	10d according to EN/ISO 13489-1			
		rated load	cycles	1000000
P	F	mechanical load	cycles	10000000
	ding to IEC/EN 609474-4-1			yes
EMC compatibility				yes
C coil operating	50/0011 0011			
Rated AC voltage at	5U/6UHZ, 6UHZ			000
		min	V	220
\O		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	Παλ	7003	- 00
	pick-up			
	ріск-ар	min	%Us	80
		max	%Us	110
	drop-out	IIIdX	/003	110
	arop-out	min	%Us	20
		max	%Us	60
	of 60Hz coil powered at 60Hz	max	,,,,,	
	pick-up			
	Prof. ap	min	%Us	80
		max	%Us	110
	drop-out	max	,,,,,	
	3100 000	min	%Us	20
		max	%Us	60
AC average coil cons	sumption at 20°C			
g	of 50/60Hz coil powered at 50Hz			
	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	in-rush	VA	300
		holding	VA	10
	of 50/60Hz coil powered at 60Hz			
	5. 55, 55 55!! politiciou at 60! 12	in-rush	VA	300
		holding	VA	10



DC coil operating					
DC rated control voltage	ge				
			min	V	220
			max	V	240
DC operating voltage					
	pick-up				
			min	%Us	80
			max	%Us	110
	drop-out			0/11-	00
			min	%Us	20
Average coil consump	tion <20°C		max	%Us	60
Average con consump	dion \$20 C		in-rush	W	300
			holding	W	10
Max cycles frequency			riolaling	VV	10
Mechanical operation				cycles/h	2400
Operating times				3,0100/11	_ 100
Average time for Us co	ontrol				
2.2.332 10. 20 0.	in AC				
		ng NO			
		3	min	ms	80
			max	ms	120
	Openi	ing NO			
	·	_	min	ms	30
			max	ms	75
	in DC				
	Closir	ng NO			
			min	ms	80
			max	ms	120
	Openi	ing NO			
			min	ms	30
LIL control of the Late			max	ms	75
UL technical data	for the contract A O contract				
Full-load current (FLA)	for three-phase AC motor		-+ 400\/	Δ.	0.40
			at 480V	A	240
Violded mechanical as	orformana		at 600V	Α	242
Yielded mechanical pe					
	for three-phase AC motor		200/208V	HP	75
			200/208V 220/230V	HP	100
			575/600V	HP	250
General USE			37 0/000 1	111	
200.01	Contactor				
	Comación		AC current	Α	350
Short-circuit protection	n fuse, 600V				
2	Standard fault				
	Staridard radit		Short circuit current	kA	18
			Fuse rating	A	800
			Fuse class		L
Ambient conditions					
Temperature					
•	Operating temperature				
	, 0		min	°C	-50
			max	°C	70

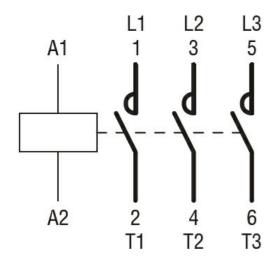




Storage temperature			
·	min	°C	-60
	max	°C	80
Max altitude		m	3000
Resistance & Protection			
Pollution degree			3

Dimensions 145 (5.71") 47.5 (1.87") 25 -(0.98" -(0.20") M10X35 144 0 0 180 (7.09") 204 (8.03") 140 (5.51") 179 (7.05") 0 370 M8 1_25 (0.98") 110 _ 166.1 (6.54") __47.5 (1.87")) _ 145 (5.71")

Wiring diagrams







Certifications and com	pliance	
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