



Product designation			Power contactor
Product type designation  Contact characteristics			B250
Number of poles		Nr.	3
Rated insulation voltage Ui IEC/EN		V	1000
Rated impulse withstand voltage Uimp		kV	8
Operational frequency		IX V	
Operational requestoy	min	Hz	25
	max	Hz	400
IEC Conventional free air thermal current Ith	THOX	A	350
Operational current le			
	AC-1 (=40°C)	Α	350
	AC-1 (=55°C)	Α	300
	AC-1 (=70°C)	Α	250
	AC-3 (=440V =55°C)	Α	265
	AC-4 (400V)	Α	115
Rated operational power AC-3 (T=55°C)	, ,		
	230V	kW	83
	400V	kW	140
	415V	kW	155
	440V	kW	164
	500V	kW	176
	690V	kW	212
	1000V	kW	156
Rated operational power AC-1 (T=40°C)			
	230V	kW	124
	400V	kW	214
	500V	kW	282
	690V	kW	380
IEC max current le in DC1 with L/R = 1ms with 1 poles in series			
	75V	Α	350
	110V	Α	160
	220V	Α	
	330V	Α	
150	460V	Α	
IEC max current le in DC1 with L/R = 1ms with 2 poles in series	75.	•	050
	75V	A	350
	110V	A	300
	220V	A	250
	330V	A	
IEC may current to in DC1 with L/D. 4 mg with 2 notes in series	460V	A	<b></b>
IEC max current le in DC1 with L/R = 1ms with 3 poles in series	751/	^	350
	75V	A	350
	110V	Α	300
	220V	Α	300



	330V	Α	250
	460V	Α	
IEC max current le in DC1 with L/R = 1ms with 4 poles in series			
	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	100 v	- , ,	
The max current to in 500 500 with 511 = 10113 with 2 poics in series	75V	Α	280
	110V	A	250
	220V	A	200
	330V	A	
IFO was a support to in DOO DOE with 1/D. After with 0 and a in and in	460V	Α	
IEC max current le in DC3-DC5 with L/R = 15ms with 3 poles in series	751		000
	75V	A	280
	110V	Α	280
	220V	Α	250
	330V	Α	200
	460V	Α	<b></b>
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)		m?	0.2
Power dissipation per pole (average value)			
	Ith	W	24.5
	AC3	W	12.5
Tightening torque for terminals	7.00	• • •	. 2.0
Tightoning torquo for torrinialo	min	Nm	35
	max	Nm	35 35
	min	lbin	25.8
		lbin	25.8 25.8
Tightoning torque for coil terminal	max	וווטו	20.0
Tightening torque for coil terminal	!	Nime	4
	min	Nm	1
	max	Nm	1



		min	Ibin	0.74
		max	Ibin	0.74
	simultaneously connectable		Nr.	2
Conductor section				
	AWG/Kcmil			
		max		500 kcmil
	tion according to IEC/EN 60529			IP00
Mechanical features				
Operating position				
		normal		Vertical plan
		allowable		±30°
Fixing				Screw
Weight			g	9550
Conductor section				
	AWG/kcmil conductor section			
		max		500 kcmil
Operations				100000
Mechanical life			cycles	1000000
Electrical life			cycles	1000000
Safety related data				
Performance level B10	0d according to EN/ISO 13489-1			
		rated load	cycles	1000000
		mechanical load	cycles	10000000
	ng to IEC/EN 609474-4-1			yes
EMC compatibility				yes
AC coil operating				
Rated AC voltage at 50	0/60Hz, 60Hz			
		min	V	380
		max	V	415
AC operating voltage				
	of 50/60Hz coil powered at 50Hz			
	pick-up			
		_	0/1:	
		min	%Us	80
		min max	%Us %Us	80 110
	drop-out	max	%Us	110
	drop-out	max min	%Us %Us	110 20
		max	%Us	110
	of 50/60Hz coil powered at 60Hz	max min	%Us %Us	110 20
		max min max	%Us %Us %Us	110 20 60
	of 50/60Hz coil powered at 60Hz	max min max min	%Us %Us %Us	110 20 60 80
	of 50/60Hz coil powered at 60Hz pick-up	max min max	%Us %Us %Us	110 20 60
	of 50/60Hz coil powered at 60Hz	max min max min max	%Us %Us %Us %Us %Us	110 20 60 80 110
	of 50/60Hz coil powered at 60Hz pick-up	max min max  min max  min max  min	%Us %Us %Us %Us %Us %Us %Us	110 20 60 80 110 20
	of 50/60Hz coil powered at 60Hz pick-up drop-out	max min max min max	%Us %Us %Us %Us %Us	110 20 60 80 110
	of 50/60Hz coil powered at 60Hz pick-up  drop-out  of 60Hz coil powered at 60Hz	max min max  min max  min max  min	%Us %Us %Us %Us %Us %Us %Us	110 20 60 80 110 20
	of 50/60Hz coil powered at 60Hz pick-up drop-out	max min max min max min max min max	%Us %Us %Us %Us %Us %Us %Us %Us	110 20 60 80 110 20 60
	of 50/60Hz coil powered at 60Hz pick-up  drop-out  of 60Hz coil powered at 60Hz	max min max min max min max min max min max	%Us %Us %Us %Us %Us %Us %Us %Us %Us	110 20 60 80 110 20 60
	of 50/60Hz coil powered at 60Hz pick-up  drop-out  of 60Hz coil powered at 60Hz pick-up	max min max min max min max min max	%Us %Us %Us %Us %Us %Us %Us %Us	110 20 60 80 110 20 60
	of 50/60Hz coil powered at 60Hz pick-up  drop-out  of 60Hz coil powered at 60Hz	min max min max min max min max min max	%Us %Us %Us %Us %Us %Us %Us %Us %Us	110 20 60 80 110 20 60 80 110
	of 50/60Hz coil powered at 60Hz pick-up  drop-out  of 60Hz coil powered at 60Hz pick-up	max min max min max min max min max min max	%Us %Us %Us %Us %Us %Us %Us %Us %Us	110 20 60 80 110 20 60

AC average coil consumption at 20°C

of 50/60Hz coil powered at 50Hz



			in-rush	VA	300
			holding	VA	10
	of 50/60Hz coil pov	wered at 60Hz			
			in-rush	VA	300
			holding	VA	10
Dissipation at holding	=20°C 50Hz			W	10
DC coil operating					
DC rated control voltage	ge				
			min	V	380
			max	V	415
DC operating voltage					
	pick-up				
	p. 5 5.p		min	%Us	80
			max	%Us	110
	drop-out			,,,,,	
	op 0 0.1		min	%Us	20
			max	%Us	60
Average coil consump	otion =20°C		on		<del></del>
o. ago oon oonoamp	200		in-rush	W	300
			holding	W	10
Max cycles frequency			Holding	VV	10
Mechanical operation				cycles/h	2400
Operating times				Cycles/11	2400
Average time for Us of	ontrol				
Average time for 05 G	in AC				
	III AC	Closing NO			
		Closing NO	min	ms	80
					120
		Opening NO	max	ms	120
		Opening NO	min	ms	30
			max	ms	75
	in DC		IIIax	1115	73
	III DC	Closing NO			
		Closing NO	min	ms	80
			max	ms	120
		Opening NO	IIIdA	1113	120
		Opening NO	min	ms	30
			max	ms	75
UL technical data			IIIdX	1113	
Full-load current (FLA)	) for three-phase AC	motor			
i un load culterit (i LA	, ioi unice-pilase AC	motor	at 480V	Α	240
			at 600V	A	242
Yielded mechanical pe	arformance		at 000 V		<u></u>
neided inechanical pe	for three-phase AC	motor			
	ioi iiiiee-piiase AC	MOTO	200/208V	HP	75
			200/200V 220/230V	HP	100
			575/600V	HP	250
General USE			373/0001	(1)	200
Ochiciai USE	Contactor				
	CUITACIUI		AC current	٨	350
Short circuit protoction	2 fues 600\/		AC current	Α	350
Short-circuit protection					
	Standard fault		Chart sire it	1. Λ	10
			Short circuit current Fuse rating	kA A	18 800
			אמוזכיו בפוום	Δ	OLUL I



		Fuse class		L
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-50
		max	°C	70
	Storage temperature			_
		min	°C	-60
		max	°C	80
Max altitude			m	3000
Resistance & Protect	ction			
Pollution degree				3
Dimensions				

# (3.5) (1.87) (1.

Wiring diagrams

(0.98")

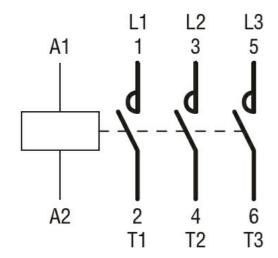
') \_\_ 145 \_ (5.71") 110

(6.54")

380...415VAC/DC



**ENERGY AND AUTOMATION** 



### 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