



Product designation Product type designation			Power contactor B250
Contact characteristics			B230
Number of poles		Nr.	4
Rated insulation voltage Ui IEC/EN		V	1000
Rated impulse withstand voltage Uimp		kV	8
Operational frequency			
Operational modulonoy	min	Hz	25
	max	Hz	400
IEC Conventional free air thermal current Ith	max	A	350
Operational current le			
Operational current le	AC-1 (≤40°C)	Α	350
	AC-1 (≤55°C)	A	300
	AC-1 (≤33°C) AC-1 (≤70°C)		250
	AC-1 (≤70 C) AC-3 (≤440V ≤55°C)	A	265
	AC-3 (\$440V \$55 C) AC-4 (400V)	A	
Detect on austional mayor AC 4 (T<40°C)	AC-4 (400V)	Α	115
Rated operational power AC-1 (T≤40°C)	0001	1.147	404
	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	
	460V	Α	
IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series			
	75V	Α	350
	110V	Α	300
	220V	Α	250
	330V	Α	
	460V	Α	
IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series			
·	75V	Α	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	100 V	- , ,	
120 max sarront to in 201 mar Ent = 1110 mar 4 poloo in solios	75V	Α	350
	110V	A	300
	220V	A	300
	330V	A	300
	460V	A	250
	400 /	^	200

EC 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	
EC 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	Α	
	460V	Α	
EC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series	100 1	- / (
	75V	Α	280
	110V	A	280
	220V		
	330V	A	250
	330V 460V	A	200
EQ	460 V	Α	
EC max current le in DC3-DC5 with L/R ≤ 15ms with 4 poles in series			000
	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)		mΩ	0.2
Power dissipation per pole (average value)			
	Ith	W	24.5
	AC-3	W	12.5
Fightening torque for terminals			
5 · · · · · · · · · · · · · · · · · · ·	min	Nm	35
	max	Nm	35
	min	lbin	25.8
	max	Ibin	25.8
Fightening torque for coil terminal	IIIaX	IUIII	20.0
rightening torque for contentilital	!	Nime	4
	min	Nm	1
		N I	1
	max	Nm	
	max min	lbin	0.74
	max	lbin Ibin	0.74 0.74
·	max min	lbin	0.74
Conductor section	max min	lbin Ibin	0.74 0.74
·	max min	lbin Ibin	0.74 0.74 2
Max number of wires simultaneously connectable Conductor section AWG/Kcmil Power terminal protection according to IEC/EN 60529	max min	lbin Ibin	0.74 0.74



Operating position

Operating position		_		
		normal		Vertical plan
<u>.</u>		allowable		±30°
Fixing				Screw
Weight			g	11120
Conductor section				
	AWG/kcmil conductor section			500 1
O ('		max		500 kcmil
Operations				1000000
Mechanical life			cycles	10000000
Electrical life			cycles	1000000
Safety related data	Lanca Cara ta EN/IOO 40400 4			
Performance level B100	d according to EN/ISO 13489-1			4000000
		rated load	cycles	1000000
NAC (1		mechanical load	cycles	10000000
	g to IEC/EN 609474-4-1			yes
EMC compatibility				yes
AC coil operating				
Rated AC voltage at 50/	OUTIZ, OUTIZ			000
		min	V	220
A O		max	V	240
AC operating voltage	4 50/00H 'I			
	of 50/60Hz coil powered at 50Hz			
	pick-up		0/116	00
		min	%Us	80
	drop out	max	%Us	110
	drop-out	min	%Us	20
		min max	%Us	60
	of 50/60Hz coil powered at 60Hz	IIIax	/003	00
	pick-up			
	ріск-ир	min	%Us	80
		max	%Us	110
	drop-out	Παλ	/003	110
	αιορ-οαι	min	%Us	20
		max	%Us	60
	of 60Hz coil powered at 60Hz	max	,003	
	pick-up			
	Pion up	min	%Us	80
		max	%Us	110
	drop-out	max		-
		min	%Us	20
		max	%Us	60
AC average coil consum	nption at 20°C			
•	of 50/60Hz coil powered at 50Hz			
		in-rush	VA	300
		holding	VA	10
	of 50/60Hz coil powered at 60Hz		<u> </u>	
		in-rush	VA	300
		holding	VA	10
Dissipation at holding ≤2	20°C 50Hz		W	10
DC coil operating				

DC rated control voltage



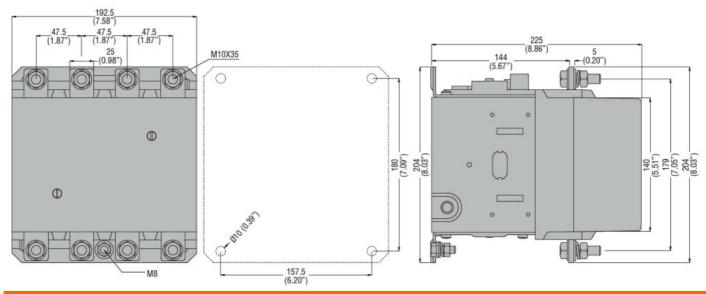


					000
			min max	V V	220 240
DC operating voltage			IIIdX	V	240
Do operating voltage	pick-up				
	pion ap		min	%Us	80
			max	%Us	110
	drop-out				
			min	%Us	20
			max	%Us	60
Average coil consumpt	tion ≤20°C		in much	14/	200
			in-rush holding	W W	300 10
Max cycles frequency			Holding	VV	10
Mechanical operation				cycles/h	2400
Operating times				•	
Average time for Us co					
	in AC				
		Closing NO			00
			min	ms	80
		Opening NO	max	ms	120
		Opening NO	min	ms	30
			max	ms	75
	in DC				
		Closing NO			
			min	ms	80
		0 : 110	max	ms	120
		Opening NO	min	ma	30
			min max	ms ms	75
UL technical data			ПСХ	1110	7.0
Full-load current (FLA)	for three-phase AC r	notor			
, ,	·		at 480V	Α	240
			at 600V	Α	242
Yielded mechanical pe					
	for three-phase AC	motor	000/0001	LIB	7.5
			200/208V 220/230V	HP HP	75 100
			575/600V	HP	250
General USE			310,000 1	4 11	
	Contactor				
			AC current	Α	350
Short-circuit protection					
	Standard fault		-		
			Short circuit current	kA ^	18
			Fuse rating Fuse class	Α	800 L
Ambient conditions			1 use class		
Temperature					
•	Operating temperat	ure			
			min	°C	-50
	_		max	°C	70
	Storage temperatur	e	_	^ ^	•
			min	°C	-60

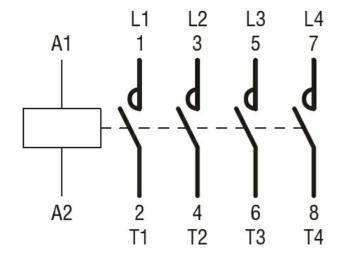
ENERGY AND AUTOMATION

FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 350A, AC/DC COIL, 220...240VAC/DC

	max	°C	80
Max altitude		m	3000
Resistance & Protection			
Pollution degree			3
Dimensions			



Wiring diagrams



Certifications and 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



