



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		ΚV	
Operational frequency	min	Hz	25
	max	Hz	400
IEC Conventional free air thermal current Ith	max	A	350
Operational current le		- / (	
oporational outron to	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	
<del></del>	460V	Α	
IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series		_	
	75V	A	350
	110V	A	300
	220V	A	250
	330V	A	
IFO many assument to in DO4 with 1/D < 4 with 0 1 :	460V	A	
IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series	751/	۸	250
	75V	A	350
	110V 220V	A A	300 300
	2200	^	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			
	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	-100 V		
TEO Max current to in 200-200 with E/TC 2 Tomb with 6 poles in series	75V	Α	280
	110V	A	280
	220V	A	250
	330V	A	200
	460V	A	
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 4 poles in series	400 V		<del></del>
TEC max current le in DC5-DC5 with E/N 3 15ms with 4 poles in series	75V	Α	280
	110V	A	280
	220V	A	280
	330V	A	200
	460V	A	200
Short-time allowable current for 10s (IEC/EN60947-1)	400 V		2200
			2200
Protection fuse	O (IEO)	۸	400
	gG (IEC)	A	400
Malian and (DMO all a)	aM (IEC)	A	250
Making capacity (RMS value)		Α	2750
Breaking capacity at voltage	4.403.4		0500
	440V	A	2500
	500V	A	2250
Decidence and the control of	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
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
May number of wire a	nimultana ayah, aanna atah la	max	Ibin	0.74
Conductor section	simultaneously connectable		Nr.	2
Conductor section	AWG/Kcmil			
	AWG/Remii	max		500 kcmil
Power terminal protect	tion according to IEC/EN 60529	Тиск		IP00
Mechanical features				00
Operating position				
		normal		Vertical plan
		allowable		±30°
Fixing				Screw
Weight			g	9690
Conductor section				
	AWG/kcmil conductor section			
		max		500 kcmil
Operations				
Mechanical life			cycles	10000000
Electrical life			cycles	1000000
Safety related data	0ddia n to EN//00 40400 4			
Performance level B1	0d according to EN/ISO 13489-1			4000000
		rated load mechanical load	cycles	1000000 10000000
Mirror contate accordi	ng to IEC/EN 609474-4-1	mechanicai ioao	cycles	
EMC compatibility	ng to IEC/EN 609474-4-1			yes
AC coil operating				yes
Rated AC voltage at 5	0/60Hz		V	24
AC operating voltage	0/00112		•	<b>2</b> ¬
7.0 operating vertage	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		0/11	
	ріск-ир	min	%Us	80
		min max	%Us %Us	80 110
	ріск-ир drop-out	max	%Us	110
		max min	%Us %Us	110 20
	drop-out	max	%Us	110
	drop-out of 60Hz coil powered at 60Hz	max min	%Us %Us	110 20
	drop-out	max min max	%Us %Us %Us	110 20 60
	drop-out of 60Hz coil powered at 60Hz	max min	%Us %Us %Us	110 20 60 80
	of 60Hz coil powered at 60Hz pick-up	max min max min	%Us %Us %Us	110 20 60
	drop-out of 60Hz coil powered at 60Hz	max min max min	%Us %Us %Us	110 20 60 80
	of 60Hz coil powered at 60Hz pick-up	max min max min max	%Us %Us %Us %Us %Us	110 20 60 80 110
AC average coil consu	of 60Hz coil powered at 60Hz pick-up drop-out	max min max min max min max min	%Us %Us %Us %Us %Us %Us %Us	110 20 60 80 110 20
AC average coil const	of 60Hz coil powered at 60Hz pick-up drop-out	max min max min max min max min	%Us %Us %Us %Us %Us %Us %Us	110 20 60 80 110 20
AC average coil consu	of 60Hz coil powered at 60Hz pick-up drop-out	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 p	powered at 60Hz			
			in-rush	VA	300
			holding	VA	10
Dissipation at holdin	ng ≤20°C 50Hz			W	10
DC coil operating					
DC rated control vol	ltage			V	24
DC operating voltag	je				
	pick-up				
			min	%Us	80
			max	%Us	110
	drop-out				
	·		min	%Us	20
			max	%Us	60
Average coil consur	mption ≤20°C				
			in-rush	W	300
			holding	W	10
Max cycles frequence	CV		Holding	••	
Mechanical operatio				cycles/h	2400
Operating times				0,0100/11	00
Average time for Us	control				
orago umo loi Os	in AC				
	III AO	Closing NO			
		Closing NO	min	ms	80
					120
		Ononing NO	max	ms	120
		Opening NO	min	<b>m</b> .o	20
			min	ms	30 75
	- DC		max	ms	75
	in DC	Clasina NO			
		Closing NO			0.0
			min	ms	80
		On anin a NO	max	ms	120
		Opening NO			0.0
			min	ms	30
III ta abada al alata			max	ms	75
UL technical data	A) ((l	0			
ruii-ioad current (FL	_A) for three-phase A	o motor			0.40
			at 480V	A	240
			at 600V	Α	242
Yielded mechanical	•	• • •			
	for three-phase	AC motor			
			200/208V	HP	75
			220/230V	HP	100
			575/600V	HP	250
General USE					
	Contactor				
			AC current	Α	350
Short-circuit protect	ion fuse, 600V				
	Standard fault				
			Short circuit current	kA	18
			Fuse rating	Α	800
			ruse railing	, ,	000
			Fuse class	, ,	L
Ambient conditions					

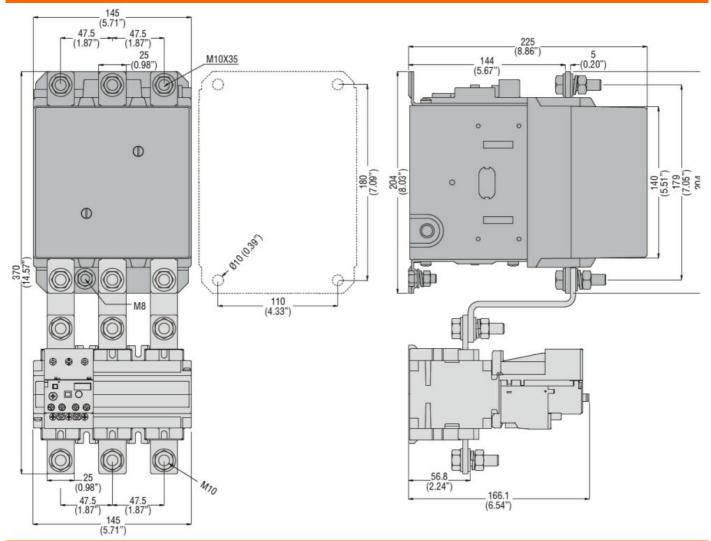
Operating temperature



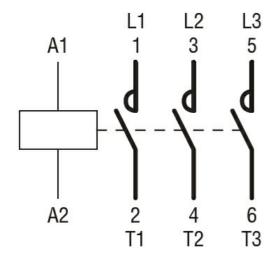


	min max	°C °C	-50 70
Storage temperature	max		70
· ·	min	°C	-60
	max	°C	80
Max altitude		m	3000
Resistance & Protection			
Pollution degree			3
D			

#### **Dimensions**



Wiring diagrams



O 1100 1			
Certificat	ione and	comr	MIGNES
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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