THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 265A, AC/DC COIL, 110... 125VAC/DC



Product designation			Power contactor
Product type designation			B250
Contact characteristics			
Number of poles	r	nr.	3
Rated insulation voltage Ui		V	1000
Rated impulse withstand voltage Uimp	k	۲V	8
Operating frequency			
Operational frequency	min H	Ηz	25
Operational frequency	max H	Ηz	400
Conventional free air thermal current Ith		Α	350
Operating current			
Operational current AC1 (≤40	0°C)	Α	350
Operational current AC3 (≤440V ≤5	5°C)	Α	265
Operational current AC4 (40	00V)	Α	92
Rated operational power AC1 (T≤40°C)			
2	30V k	W	124
4	00V k	W	214
5	00V k	W	282
6	90V k	W	380
Rated operational power AC3 (T≤55°C)			
2	30V k	W	83
4	00V k	W	140
4	15V k	W	155
4	40V k	W	164
5	00V k	W	176
6	90V k	W	212
	00V k	W	156
Short-time allowable current for 10s (IEC/EN60947-1)		A	2200
Protection fuse			
gG (I	,	Α	400
aM (I		A	250
Making capacity (RMS value)		A	2750
Breaking capacity at voltage			
Breaking capacity 4	40V	Α	2500
Breaking capacity 5		Α	2250
Breaking capacity 6	90V	A	2200
Resistance per pole (average value)	n	ηΩ	0.2
Power dissipation per pole (average value)			
Power dissipation pole (average value	•	W	24.5
	AC3	W	12.5
Tightening torque for terminals			
		١m	35
		١m	35
		bft	25.8
	max II	bft	25.8



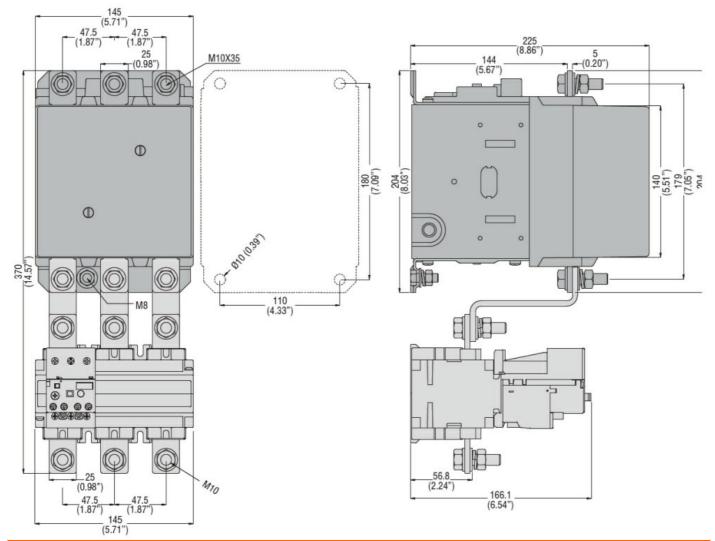
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max number of wires s	simultaneously connectable		nr.	2
Conductor section	•			
	AWG			
		max		500 kcmil
Power terminal protec	ction according to IEC/EN 60529			IP00
Auxiliary contact chara	-			
Operational current A	C1 (≤40°C)		Α	350
Operating current DC	13			
		110V	Α	Screw
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-50
		max	°C	70
	Storage temperature			
		min	°C	-60
		max	°C	80
Max altitude			m	3000
Operating position				
		normal		Vertical plan
		allowable		±30°
Mounting				Screw
Weight			g	9.64
Operations				
Mechanical life			Cycles	10000000
Electrical life			Cycles	1000000
Safety related data '				
Safety related data Performance level B1	0d according to EN/ISO 13489-1			
-	0d according to EN/ISO 13489-1	rated load	Cicli	1000000
-	0d according to EN/ISO 13489-1	rated load mechanical load	Cicli Cicli	1000000 10000000
Performance level B1				10000000
Performance level B1 Mirror contats accordi	0d according to EN/ISO 13489-1 ng to IEC/EN 609474-4-1			10000000 yes
Performance level B1 Mirror contats accordi EMC compatibility				10000000
Performance level B1 Mirror contats accordi EMC compatibility AC coil operating				10000000 yes
Performance level B1	ng to IEC/EN 609474-4-1			10000000 yes
Performance level B1 Mirror contats accordi EMC compatibility AC coil operating	ng to IEC/EN 609474-4-1 of 50/60Hz coil powered at 50Hz			10000000 yes
Performance level B1 Mirror contats accordi EMC compatibility AC coil operating	ng to IEC/EN 609474-4-1	mechanical load	Cicli	10000000 yes yes
Performance level B1 Mirror contats accordi EMC compatibility AC coil operating	ng to IEC/EN 609474-4-1 of 50/60Hz coil powered at 50Hz		Cicli %Us	10000000 yes yes
Performance level B1 Mirror contats accordi EMC compatibility AC coil operating	ng to IEC/EN 609474-4-1 of 50/60Hz coil powered at 50Hz pick-up	mechanical load	Cicli	10000000 yes yes
Performance level B1 Mirror contats accordi EMC compatibility AC coil operating	ng to IEC/EN 609474-4-1 of 50/60Hz coil powered at 50Hz	mechanical load min max	Cicli %Us %Us	10000000 yes yes 0.8
Performance level B1 Mirror contats accordi 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	%Us %Us %Us	10000000 yes yes 0.8 1.1
Performance level B1 Mirror contats accordi EMC compatibility AC coil operating	of 50/60Hz coil powered at 50Hz pick-up	mechanical load min max	Cicli %Us %Us	10000000 yes yes 0.8
Performance level B1 Mirror contats accordi EMC compatibility AC coil operating	of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz	mechanical load min max min	%Us %Us %Us	10000000 yes yes 0.8 1.1
Performance level B1 Mirror contats accordi EMC compatibility AC coil operating	of 50/60Hz coil powered at 50Hz pick-up	mechanical load min max min max	%Us %Us %Us %Us	10000000 yes yes 0.8 1.1 0.2 0.6
Performance level B1 Mirror contats according the compatibility of coil operating	of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz	mechanical load min max min max min	%Us %Us %Us %Us %Us	10000000 yes yes 0.8 1.1 0.2 0.6
Performance level B1 Mirror contats accordi EMC compatibility AC coil operating	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	%Us %Us %Us %Us	10000000 yes yes 0.8 1.1 0.2 0.6
Performance level B1 Mirror contats accordi EMC compatibility AC coil operating	of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz	mechanical load min max min max min max	%Us %Us %Us %Us %Us	10000000 yes yes 0.8 1.1 0.2 0.6
Performance level B1 Mirror contats accordi EMC compatibility AC coil operating	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	%Us %Us %Us %Us %Us %Us	10000000 yes yes 0.8 1.1 0.2 0.6 0.8 1.1
Mirror contats according to the compatibility of the compatibility of the colloperating the colloperation of th	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	%Us %Us %Us %Us %Us	10000000 yes yes 0.8 1.1 0.2 0.6
Performance level B1 Mirror contats accordi EMC compatibility AC coil operating AC operating voltage	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	%Us %Us %Us %Us %Us %Us	10000000 yes yes 0.8 1.1 0.2 0.6 0.8 1.1
Mirror contats according to the compatibility of the compatibility of the colloperating the colloperation of th	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	%Us %Us %Us %Us %Us %Us %Us	10000000 yes yes 0.8 1.1 0.2 0.6 0.8 1.1 0.2
Performance level B1 Mirror contats accordi EMC compatibility AC coil operating	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	%Us %Us %Us %Us %Us %Us	10000000 yes yes 0.8 1.1 0.2 0.6 0.8 1.1

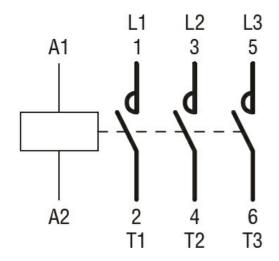
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			in-rush	VA	300
			holding	VA	10
Dissipation at holding ≤	20°C 50Hz			W	10
DC coil operating	•				
DC rated control voltage	е			17	24
DC operating voltage			min	V	24
DC operating voltage	niek un				
	pick-up		min	%Us	0.8
			max	%Us	1.10
	drop-out		IIIax	/003	1.10
	diop out		min	%Us	0.2
			max	%Us	0.60
Average coil consuptio	n ≤20°C		Пах	7000	0.00
7 tvolago oon concapac	20 0		in-rush	W	300
			holding	W	10
Max cycles frequency			110.019		· •
Mechanical operations				Cycles/h	2400
Operating times				,	
Average time for Us co	ntrol				
· ·	in AC				
		Closing NO			
		-	min	ms	80
			max	ms	120
		Opening NO			
			min	ms	30
			max	ms	75
	in DC				
		Closing NO			
			min	ms	80
			max	ms	120
		Opening NO			
			min	ms	30
			max	ms	75
UL technical data	((
rull-load current (FLA)	for three-phase AC mo	tor	-1.40077	Δ.	0.40
			at 480V	A	240
Yielded mechanical pe	rformanca		at 600V	A	242
пешей теспапісаі ре	normance for three-phase AC mo	otor			
	ioi iiiiee-piiase AC III	Jiui	at 200/208V	hn	75
			at 220/230V	hp hp	100
			at 460/480V	hp	20
			at 575/600V	hp	250
General USE			at 07 0, 000 V	·iγ	
200.00	Contactor				
	231140101		AC current	Α	350
Other features			, 13 04110111	,,	
Pollution degree					3
Dimensions					

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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





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	UL 60947-4-1	
Compliance		
	CCC	
	cULus	
	EAC	

ETIM 6 classification

EC000066 - Power contactor, AC switching