

THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 265A, AC/DC COIL, 24VAC/DC



Product designation		Power contactor
Product type designation		B250
Contact characteristics		
Number of poles	nr.	3
Rated insulation voltage Ui	V	1000
Rated impulse withstand voltage Uimp	kV	8
Operating frequency		
Operational frequency		25
Operational frequency r		400
Conventional free air thermal current Ith	Α	350
Operating current		
Operational current AC1 (≤40	•	350
Operational current AC3 (≤440V ≤55	•	265
Operational current AC4 (40	00V) A	92
Rated operational power AC1 (T≤40°C)		
	30V kW	124
	00V kW	214
	00V kW	282
	90V kW	380
Rated operational power AC3 (T≤55°C)		
	30V kW	83
	00V kW	140
	15V kW	155
	40V kW	164
	00V kW	176
	90V kW	212
	OOV kW	156
Short-time allowable current for 10s (IEC/EN60947-1)	A	2200
Protection fuse		
gG (I	,	400
aM (I		250
Making capacity (RMS value)	Α	2750
Breaking capacity at voltage		
Breaking capacity 4		2500
Breaking capacity 5		2250
Breaking capacity 6		2200
Resistance per pole (average value)	mΩ	0.2
Power dissipation per pole (average value)	\ 1.1 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	0.4.5
Power dissipation pole (average value	•	24.5
	AC3 W	12.5
Tightening torque for terminals	matin NI:	0.5
	min Nm	35
	max Nm	35
	min Ibft	25.8
ı	max Ibft	25.8

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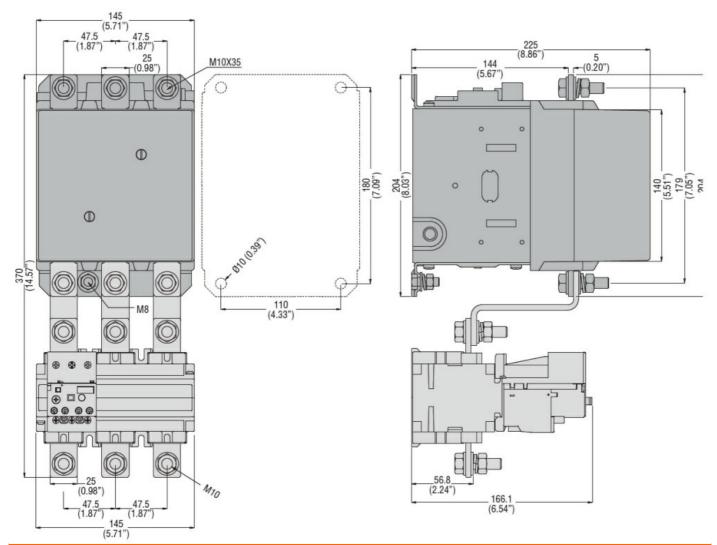
max number of wires	simultaneously connectable		nr.	2
Conductor section				
	AWG			
		max		500 kcmil
	ction according to IEC/EN 60529			IP00
Auxiliary contact chara			^	050
Operational current A	,		Α	350
Operating current DC	13	110V	۸	Sorow
Ambient conditions		1100	Α	Screw
emperature				
omporatoro	Operating temperature			
	operating temperature	min	°C	-50
		max	°C	70
	Storage temperature			
		min	°C	-60
		max	°C	80
/lax altitude			m	3000
perating position				
· • • • • • • • • • • • • • • • • • • •		normal		Vertical plan
		allowable		±30°
lounting				Screw
Veight			g	9.69
perations				
•			Cycles	10000000
Mechanical life			Cycles Cycles	1000000 1000000
Mechanical life Electrical life Safety related data				
Mechanical life Electrical life Safety related data	0d according to EN/ISO 13489-1		Cycles	1000000
Mechanical life Electrical life Safety related data	0d according to EN/ISO 13489-1	rated load	Cycles	1000000
Mechanical life Electrical life Safety related data Performance level B1		rated load mechanical load	Cycles	1000000 1000000 10000000
Mechanical life Electrical life Safety related data Performance level B1 Mirror contats accordi	0d according to EN/ISO 13489-1 ng to IEC/EN 609474-4-1		Cycles	1000000 1000000 10000000 yes
lechanical life lectrical life afety related data erformance level B1 lirror contats accordi MC compatibility			Cycles	1000000 1000000 10000000
Mechanical life Electrical life Eafety related data Performance level B1 Mirror contats according EMC compatibility C coil operating			Cycles	1000000 1000000 10000000 yes
lechanical life lectrical life afety related data erformance level B1 lirror contats accordi MC compatibility C coil operating	ng to IEC/EN 609474-4-1		Cycles	1000000 1000000 10000000 yes
Mechanical life Electrical life Eafety related data Performance level B1 Mirror contats according EMC compatibility C coil operating	ng to IEC/EN 609474-4-1 of 50/60Hz coil powered at 50Hz		Cycles	1000000 1000000 10000000 yes
lechanical life lectrical life afety related data erformance level B1 lirror contats accordi MC compatibility C coil operating	ng to IEC/EN 609474-4-1	mechanical load	Cycles Cicli Cicli	1000000 1000000 10000000 yes yes
Mechanical life Electrical life Eafety related data Performance level B1 Mirror contats according EMC compatibility C coil operating	ng to IEC/EN 609474-4-1 of 50/60Hz coil powered at 50Hz	mechanical load	Cycles Cicli Cicli WUs	1000000 1000000 10000000 yes yes
Mechanical life Electrical life Eafety related data Performance level B1 Mirror contats according EMC compatibility C coil operating	ng to IEC/EN 609474-4-1 of 50/60Hz coil powered at 50Hz pick-up	mechanical load	Cycles Cicli Cicli	1000000 1000000 10000000 yes yes
Mechanical life Electrical life Bafety related data Performance level B1 Mirror contats accordi EMC compatibility C coil operating	ng to IEC/EN 609474-4-1 of 50/60Hz coil powered at 50Hz	mechanical load min max	Cycles Cicli Cicli WUs WUs	1000000 1000000 10000000 yes yes
Mechanical life Electrical lif	ng to IEC/EN 609474-4-1 of 50/60Hz coil powered at 50Hz pick-up	mechanical load min max min	Cycles Cicli Cicli WUs WUs WUs	1000000 1000000 10000000 yes yes 0.8 1.1
Mechanical life Electrical life Eafety related data Performance level B1 Mirror contats according EMC compatibility C coil operating	of 50/60Hz coil powered at 50Hz pick-up	mechanical load min max	Cycles Cicli Cicli WUs WUs	1000000 1000000 10000000 yes yes
Mechanical life Electrical life Eafety related data Performance level B1 Mirror contats according EMC compatibility C 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	Cycles Cicli Cicli WUs WUs WUs	1000000 1000000 10000000 yes yes 0.8 1.1
lechanical life lectrical life afety related data erformance level B1 lirror contats accordi MC compatibility C coil operating	of 50/60Hz coil powered at 50Hz pick-up	mechanical load min max min	Cycles Cicli Cicli WUs WUs WUs	1000000 1000000 10000000 yes yes 0.8 1.1
Mechanical life Electrical life Eafety related data Performance level B1 Mirror contats according EMC compatibility C 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	Cycles Cicli Cicli %Us %Us %Us %Us %Us	1000000 1000000 10000000 yes yes 0.8 1.1 0.2 0.6
Mechanical life Electrical life Bafety related data Performance level B1 Mirror contats accordi EMC compatibility C 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	Cycles Cicli Cicli WUs WUs WUs WUs	1000000 1000000 10000000 yes yes 0.8 1.1 0.2 0.6
Mechanical life Electrical life Bafety related data Performance level B1 Mirror contats accordi EMC compatibility C 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	Cycles Cicli Cicli %Us %Us %Us %Us %Us	1000000 1000000 10000000 yes yes 0.8 1.1 0.2 0.6
Mechanical life Electrical lif	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	Cycles Cicli Cicli *Us *Us *Us *Us *Us *Us	1000000 1000000 10000000 yes yes 0.8 1.1 0.2 0.6
Mechanical life Electrical life Eafety related data Performance level B1 Mirror contats accordicate Compatibility Coil operating Coperating voltage	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	Cycles Cicli Cicli **Us **Us **Us **Us **Us **Us **Us **	1000000 1000000 10000000 yes yes 0.8 1.1 0.2 0.6
Mechanical life Electrical life Cafety related data Performance level B1 Mirror contats accordicated compatibility Coil operating Coperating voltage	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	Cycles Cicli Cicli **Us **Us **Us **Us **Us **Us **Us **	1000000 1000000 10000000 yes yes 0.8 1.1 0.2 0.6
Mechanical life Electrical life Safety related data Performance level B1	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	Cycles Cicli Cicli **Us **Us **Us **Us **Us **Us **Us **	1000000 1000000 10000000 yes yes 0.8 1.1 0.2 0.6

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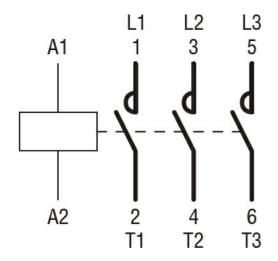
			in-rush	VA	300
			holding	VA	10
Dissipation at holding s	≦20°C 50Hz			W	10
DC coil operating					
DC rated control voltage	je				
			min	V	24
DC operating voltage					
	pick-up				
			min	%Us	0.8
			max	%Us	1.10
	drop-out			0/11-	0.0
			min	%Us	0.2
A	- 400°C		max	%Us	0.60
Average coil consuption	n ≤20 C		مام س ما	147	200
			in-rush	W	300
Max cyclos frequency			holding	W	10
Max cycles frequency Mechanical operations				Cycles/h	2400
Operating times				Cycles/I	1 44 00
Average time for Us co	entrol				
Average time for 03 co	in AC				
	III AO	Closing NO			
		Closing 140	min	ms	80
			max	ms	120
		Opening NO			0
		3 -	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					
Full-load current (FLA)	for three-phase A	C motor			
			at 480V	Α	240
	,		at 600V	Α	242
Yielded mechanical pe		A O			
	for three-phase	AC motor	-1.000/0001	I	75
			at 200/208V	hp	75 100
			at 220/230V at 460/480V	hp hp	100 20
			at 460/480V at 575/600V	hp hp	20 250
General USE			at 575/000V	hp	230
Jelielai UJE	Contactor				
	Contactor		AC current	Α	350
Other features			AO GUITEIR		
Pollution degree					3
Dimensions					

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



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



ENERGY AND AUTOMATION

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

	UL 60947-4-1	
Compliance		
	CCC	
	cULus	
	EAC	

ETIM 6 classification

EC000066 - Power contactor, AC switching