



Product designation Product type designation			Power contactor B250
Contact characteristics			
Number of poles		Nr.	3
Rated insulation voltage Ui IEC/EN		V	1000
Rated impulse withstand voltage Uimp		kV	8
Operational frequency			
	min	Hz	25
	max	Hz	400
IEC Conventional free air thermal current Ith		Α	350
Operational current le			
	AC-1 (=40°C)	А	350
	AC-1 (=55°C)	А	300
	AC-1 (=70°C)	A	250
	AC-3 (=440V =55°C)	A	265
	AC-4 (400V)	A	115
Rated operational power AC-3 (T=55°C)			
	230V	kW	83
	400V	kW	140
	415V	kW	155
	440V 500V	kW kW	164 176
	690V	kW	212
	1000V	kW	156
Rated operational power AC-1 (T=40°C)	1000 V		100
	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	А	350
	110V	А	160
	220V	А	
	330V	А	
	460V	А	
IEC max current le in DC1 with L/R = 1ms with 2 poles in series			
	75V	А	350
	110V	А	300
	220V	А	250
	330V	A	
	460V	A	
IEC max current le in DC1 with L/R = 1ms with 3 poles in series		-	
	75V	A	350
	110V	A	300
	220V	A	300

electric ENERGY AND AUTOMATION

THREE-POLE CONTACTOR. IEC OPERATING CURRENT IE (AC3)

-POLE CONTACTOR, IEC OPERATING CURR	RENTIE (A	(C3) =	265A, AC/DC COIL, 110125VAC/DC
	330V	А	250
	460V	А	

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	000 v	/ `	200
	460V	А	
IEC max current le in DC1 with L/R = 1ms with 4 poles in series			
	75V	А	350
	110V	А	300
	220V	А	300
	330V	А	300
	460V	А	250
IEC max current le in DC3-DC5 with L/R = 15ms with 1 poles in series			
	75V	А	280
	110V	A	150
	220V	A	
	330V	A	
	460V	A	
IEC max current le in DC3-DC5 with L/R = 15ms with 2 poles in series	400 v	~	
The current is in DC3-DC3 with $L/R = 1500$ with 2 poiss in series	75V	۸	280
		A	
	110V	A	250
	220V	A	200
	330V	A	
	460V	A	
IEC max current le in DC3-DC5 with L/R = 15ms with 3 poles in series			
	75V	А	280
	110V	А	280
	220V	А	250
	330V	А	200
	460V	Α	
IEC max current le in DC3-DC5 with L/R = 15ms with 4 poles in series			
	75V	А	280
	110V	А	280
	220V	А	280
	330V	А	200
	460V	А	200
Short-time allowable current for 10s (IEC/EN60947-1)		А	2200
Protection fuse			
	gG (IEC)	А	400
	aM (IEC)	А	250
Making capacity (RMS value)	· · ·	А	2750
Breaking capacity at voltage			
	440V	А	2500
	500V	A	2250
	690V	A	2200
Resistance per pole (average value)	0001	m?	0.2
Power dissipation per pole (average value)			
· onor applifutor por poro (avorago valuo)	lth	W	24.5
	AC3	W	24.5 12.5
Tightoning torque for terminale	AUS	٧V	12.0
Tightening torque for terminals		Nime	25
	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

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11B25000110 THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 265A, AC/DC COIL, 110...125VAC/DC

		min	lbin Ibin	0.74 0.74
Max number of wires	simultaneously connectable	max	Nr.	2
Conductor section				L
	AWG/Kcmil			
		max		500 kcmil
Power terminal prote	ction according to IEC/EN 60529			IP00
Mechanical features				
Operating position				
		normal		Vertical plan
		allowable		±30°
Fixing				Screw
Weight			g	9640
Conductor section				
	AWG/kcmil conductor section			
Operations		max		500 kcmil
Mechanical life			cycles	10000000
Electrical life			cycles	1000000
Safety related data			070103	100000
	10d according to EN/ISO 13489-1			
		rated load	cycles	1000000
		mechanical load	cycles	10000000
Mirror contats accord	ding to IEC/EN 609474-4-1			yes
Mirror contats accord EMC compatibility	ding to IEC/EN 609474-4-1			yes yes
	ding to IEC/EN 609474-4-1			•
EMC compatibility				•
EMC compatibility AC coil operating		min	V	yes 110
EMC compatibility AC coil operating Rated AC voltage at s	50/60Hz, 60Hz	min max	V V	yes
EMC compatibility AC coil operating	50/60Hz, 60Hz			yes 110
EMC compatibility AC coil operating Rated AC voltage at s	50/60Hz, 60Hz of 50/60Hz coil powered at 50Hz			yes 110
EMC compatibility AC coil operating Rated AC voltage at s	50/60Hz, 60Hz	max	V	yes 110 125
EMC compatibility AC coil operating Rated AC voltage at s	50/60Hz, 60Hz of 50/60Hz coil powered at 50Hz	maxmin	V %Us	yes 110 125 80
EMC compatibility AC coil operating Rated AC voltage at s	50/60Hz, 60Hz of 50/60Hz coil powered at 50Hz pick-up	max	V	yes 110 125
EMC compatibility AC coil operating Rated AC voltage at s	50/60Hz, 60Hz of 50/60Hz coil powered at 50Hz	max min max	V %Us %Us	yes 110 125 80 110
EMC compatibility AC coil operating Rated AC voltage at s	50/60Hz, 60Hz of 50/60Hz coil powered at 50Hz pick-up	max min max min	V %Us %Us %Us	yes 110 125 80 110 20
EMC compatibility AC coil operating Rated AC voltage at s	50/60Hz, 60Hz of 50/60Hz coil powered at 50Hz pick-up drop-out	max min max	V %Us %Us	yes 110 125 80 110
EMC compatibility AC coil operating Rated AC voltage at s	50/60Hz, 60Hz of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz	max min max min	V %Us %Us %Us	yes 110 125 80 110 20
EMC compatibility AC coil operating Rated AC voltage at s	50/60Hz, 60Hz of 50/60Hz coil powered at 50Hz pick-up drop-out	max min max min max	V %Us %Us %Us %Us	yes 110 125 80 110 20 60
EMC compatibility AC coil operating Rated AC voltage at s	50/60Hz, 60Hz of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz	max min max min max min	V %Us %Us %Us %Us	yes 110 125 80 110 20 60 80
EMC compatibility AC coil operating Rated AC voltage at s	50/60Hz, 60Hz of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz	max min max min max	V %Us %Us %Us %Us	yes 110 125 80 110 20 60
EMC compatibility AC coil operating Rated AC voltage at s	50/60Hz, 60Hz of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz pick-up	max min max min max min	V %Us %Us %Us %Us	yes 110 125 80 110 20 60 80
EMC compatibility AC coil operating Rated AC voltage at s	50/60Hz, 60Hz of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz pick-up	max min max min max min max	V %Us %Us %Us %Us %Us	yes 110 125 80 110 20 60 80 110
EMC compatibility AC coil operating Rated AC voltage at s	50/60Hz, 60Hz of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz pick-up	max min max min max min max min	V %Us %Us %Us %Us %Us %Us	yes 110 125 80 110 20 60 80 110 20 20
EMC compatibility AC coil operating Rated AC voltage at s	50/60Hz, 60Hz of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz pick-up drop-out	max min max min max min max min	V %Us %Us %Us %Us %Us %Us	yes 110 125 80 110 20 60 80 110 20 60 80 110 20 60
EMC compatibility AC coil operating Rated AC voltage at s	50/60Hz, 60Hz of 50/60Hz coil powered at 50Hz pick-up drop-out 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	V %Us %Us %Us %Us %Us %Us %Us	yes 110 125 80 110 20 60 80 110 20 60 80 110 20 60 80 80 110 20 60 80 110 80 110 80 80 110 80 80 80 80 80 80 80 80 80 8
EMC compatibility AC coil operating Rated AC voltage at s	50/60Hz, 60Hz of 50/60Hz coil powered at 50Hz pick-up drop-out 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	V %Us %Us %Us %Us %Us %Us	yes 110 125 80 110 20 60 80 110 20 60 80 110 20 60
EMC compatibility AC coil operating Rated AC voltage at s	50/60Hz, 60Hz of 50/60Hz coil powered at 50Hz pick-up drop-out 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	V %Us %Us %Us %Us %Us %Us %Us %Us	yes 110 125 80 110 20 60 80 110 20 60 80 110 20 60 80 110
EMC compatibility AC coil operating Rated AC voltage at s	50/60Hz, 60Hz of 50/60Hz coil powered at 50Hz pick-up drop-out 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	V %Us %Us %Us %Us %Us %Us %Us	yes 110 125 80 110 20 60 80 110 20 60 80 110 20 60 80 80 110 20 60 80 110 80 110 80 80 110 80 80 80 80 80 80 80 80 80 8

of 50/60Hz coil powered at 50Hz

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

in-rush VA 300

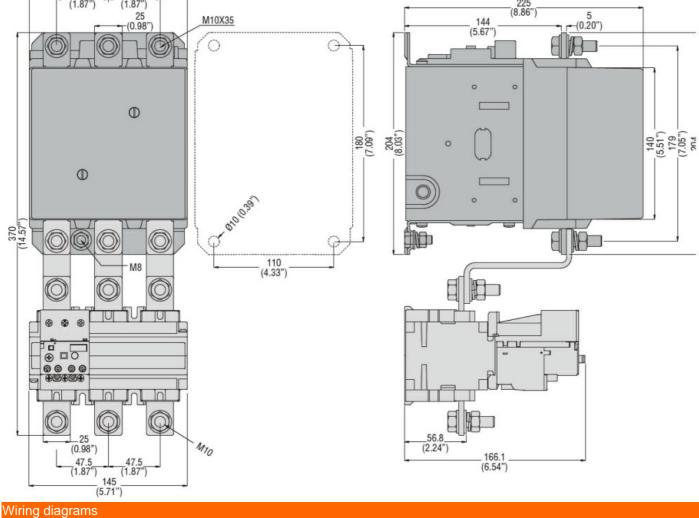
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			in-rush	VA	300
			holding	VA	10
	of 50/60Hz coil power	ed at 60Hz	5		
	of 50/00112 coll power		in much	1/4	200
			in-rush	VA	300
			holding	VA	10
Dissipation at holding :	=20°C 50Hz			W	10
DC coil operating					
DC rated control voltage	90				
DC Taled control voltaç	Je				
			min	V	110
			max	V	125
DC operating voltage					
5	pick-up				
	ριοκ-αρ			0/11-	0.0
			min	%Us	80
			max	%Us	110
	drop-out				
	•		min	%Us	20
				%Us	60
			max	/005	00
Average coil consump	tion =20°C				
			in-rush	W	300
			holding	W	10
Max avalas fraguaner					. •
Max cycles frequency					0.400
Mechanical operation				cycles/h	2400
Operating times					
Average time for Us co	ontrol				
C	in AC				
		Closing NO			
			min	ms	80
			max	ms	120
		Opening NO			
			min	ms	30
				ms	75
			max	1115	75
	in DC				
		Closing NO			
			min	ms	80
			max	ms	120
		Opening NO	IIIdA		. 20
		Opening NO			
			min	ms	30
			max	ms	75
UL technical data					
	for three-phase AC mo	tor			
			- 4001	۸	240
			at 480V	A	240
			at 600V	A	242
Yielded mechanical pe	erformance				
•	for three-phase AC me	otor			
			200/208V	HP	75
			ZUU/ZUGV		
				1.15	400
			220/230V	HP	100
				HP HP	100 250
General USE			220/230V		
General USE	Contactor		220/230V		
General USE	Contactor		220/230V 575/600V	HP	250
			220/230V		
General USE Short-circuit protection			220/230V 575/600V	HP	250
	ı fuse, 600V		220/230V 575/600V	HP	250
			220/230V 575/600V AC current	HP A	250 350
	ı fuse, 600V		220/230V 575/600V AC current Short circuit current	HP A kA	250 350 18
	ı fuse, 600V		220/230V 575/600V AC current	HP A	250 350

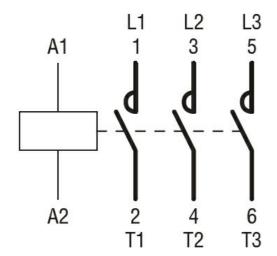


11B25000110 THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 265A, AC/DC COIL, 110...125VAC/DC

		Fuse class		L
Ambient conditions				_
Temperature				
0	perating temperature			
		min	°C	-50
		max	°C	70
Si	torage temperature			
		min	°C	-60
		max	°C	80
Max altitude			m	3000
Resistance & Protection				
Pollution degree				3
Dimensions				
$\begin{array}{c} 145\\ (.5.71") \\ -47.5\\ (1.87") \\ -(1.87") \\ 25\\ (0.98") \\ \end{array}$	M10X35	225 (8.86") (5.67")	(0.	5 20")







Certifications and compliance

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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