



Product designation Product type designation			Power contactor B250
Contact characteristics			B230
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)	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	A	
150	460V	A	
IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series	75)/		0.50
	75V	A	350
	110V	A	300
	220V	A	250
	330V	A	
IEC may augrent to in DC4 with 1/D < 4 may with 0 materials and	460V	Α	
IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series	75)/	۸	350
	75V	A	350
	110V	A	300
	220V	Α	300



11B25000440

# THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 265A, AC/DC COIL, 440...480VAC/DC

	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	400 V		230
TEC max current le in DC3-DC3 with L/K \( \) Toms with 1 poles in series	75\/	۸	200
	75V	A	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	Α	
	460V	Α	
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series	400 V		
TEC max current le in DC3-DC3 with E/N = 13ms with 3 poles in series	75\/	۸	200
	75V	A	280
	110V	Α	280
	220V	Α	250
	330V	Α	200
	460V	Α	
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 4 poles in series			
	75V	Α	280
	110V	Α	280
	220V	Α	280
	330V	Α	200
	460V	Α	200
Short-time allowable current for 10s (IEC/EN60947-1)		A	2200
· · · ·			
Protection fuse	**O (IEO)	۸	400
	gG (IEC)	A	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
Tightening targue for terminals	70-3	V V	12.0
Tightening torque for terminals		NI	25
	min	Nm	35
	max	Nm	35
	min	lbin	25.8
	max	Ibin	25.8
Tightening torque for coil terminal			
	min	Nm	1
	max	Nm	1



		min	Ibin	0.74
		max	Ibin	0.74
	simultaneously connectable		Nr.	2
Conductor section				
	AWG/Kcmil			
		max		500 kcmil
-	tion according to IEC/EN 60529			IP00
Mechanical features				
Operating position				
		normal		Vertical plan
		allowable		±30°
Fixing				Screw
Weight			g	9580
Conductor section				
	AWG/kcmil conductor section			
		max		500 kcmil
Operations				
Mechanical life			cycles	10000000
Electrical life			cycles	1000000
Safety related data			2, 3.00	
	0d according to EN/ISO 13489-1			
	50 according to 2.0.00 .0.00 .	rated load	cycles	1000000
		mechanical load	cycles	10000000
Mirror contats according	ng to IEC/EN 609474-4-1	THEOHAINIOA IOAA	Cycles	yes
EMC compatibility	19 to 120/214 0004/4 4 1			-
AC coil operating				yes
Rated AC voltage at 50	0/60日 - 60日 -			
Nateu AC voltage at 3	0/00112, 00112	min	V	440
		THILL	V	440
10		may	17	11E
At a a a ratio a valtage		max	V	415
AC operating voltage	(50/0011 1 1 - 1 5011	max	V	415
AC operating voltage	of 50/60Hz coil powered at 50Hz	max	V	415
AC operating voltage	of 50/60Hz coil powered at 50Hz pick-up			
AC operating voltage	•	min	%Us	80
AC operating voltage	pick-up			
AC operating voltage	•	min max	%Us %Us	80 110
AC operating voltage	pick-up	min max min	%Us %Us %Us	80 110 20
AC operating voltage	pick-up drop-out	min max	%Us %Us	80 110
AC operating voltage	pick-up  drop-out  of 50/60Hz coil powered at 60Hz	min max min	%Us %Us %Us	80 110 20
AC operating voltage	pick-up drop-out	min max min max	%Us %Us %Us %Us	80 110 20 60
AC operating voltage	pick-up  drop-out  of 50/60Hz coil powered at 60Hz	min max min	%Us %Us %Us %Us	80 110 20 60
AC operating voltage	of 50/60Hz coil powered at 60Hz pick-up	min max min max	%Us %Us %Us %Us	80 110 20 60
AC operating voltage	pick-up  drop-out  of 50/60Hz coil powered at 60Hz	min max min max min	%Us %Us %Us %Us %Us	80 110 20 60 80 110
AC operating voltage	of 50/60Hz coil powered at 60Hz pick-up	min max min max min	%Us %Us %Us %Us	80 110 20 60
AC operating voltage	of 50/60Hz coil powered at 60Hz pick-up	min max min max min max	%Us %Us %Us %Us %Us	80 110 20 60 80 110
AC operating voltage	of 50/60Hz coil powered at 60Hz pick-up	min max min max min max min	%Us %Us %Us %Us %Us	80 110 20 60 80 110 20
AC operating voltage	of 50/60Hz coil powered at 60Hz pick-up  drop-out	min max min max min max min	%Us %Us %Us %Us %Us	80 110 20 60 80 110 20
AC operating voltage	pick-up  drop-out  of 50/60Hz coil powered at 60Hz pick-up  drop-out  of 60Hz coil powered at 60Hz	min max min max min max min	%Us %Us %Us %Us %Us	80 110 20 60 80 110 20
AC operating voltage	pick-up  drop-out  of 50/60Hz coil powered at 60Hz pick-up  drop-out  of 60Hz coil powered at 60Hz	min max min max min max min max min max	%Us %Us %Us %Us %Us %Us %Us	80 110 20 60 80 110 20 60
AC operating voltage	of 50/60Hz coil powered at 60Hz pick-up  drop-out  drop-out  of 60Hz coil powered at 60Hz pick-up	min max min max min max min max	%Us %Us %Us %Us %Us %Us %Us	80 110 20 60 80 110 20 60
AC operating voltage	pick-up  drop-out  of 50/60Hz coil powered at 60Hz pick-up  drop-out  of 60Hz coil powered at 60Hz	min max min max min max min max min max	%Us %Us %Us %Us %Us %Us %Us	80 110 20 60 80 110 20 60
AC operating voltage	of 50/60Hz coil powered at 60Hz pick-up  drop-out  drop-out  of 60Hz coil powered at 60Hz pick-up	min max min max min max min max min max	%Us %Us %Us %Us %Us %Us %Us	80 110 20 60 80 110 20 60

AC average coil consumption at 20°C

of 50/60Hz coil powered at 50Hz



			in-rush	VA	300
			holding	VA	10
	of 50/60Hz coil power	ered at 60Hz			_
			in-rush	VA	300
			holding	VA	10
Dissipation at holding	≤20°C 50Hz			W	10
DC coil operating					
DC rated control voltage	je				
•	,		min	V	440
			max	V	415
DC operating voltage					
- c cp craiming remaige	pick-up				
	p.o up		min	%Us	80
			max	%Us	110
	drop-out			,,,,,	
	p		min	%Us	20
			max	%Us	60
Average coil consump	tion ≤20°C		Hax	,,,,,	
c. ago con concamp	20 0		in-rush	W	300
			holding	W	10
Max cycles frequency			Holding	VV	10
Mechanical operation				cycles/h	2400
Operating times				Cycles/11	2400
Average time for Us co	ontrol				
Average line for 05 cc	in AC				
	III AC	Closing NO			
		Closing NO	min	me	80
				ms	120
		Opening NO	max	ms	120
		Opening NO	min	ms	30
			max	ms	75
	in DC		IIIdX	1115	73
	III DC	Closing NO			
		Closing NO	min	ms	80
			max	ms	120
		Opening NO	IIIdx	1113	120
		Opening NO	min	ms	30
			max	ms	75
UL technical data			IIIax	1113	
Full-load current (FLA)	for three-phase AC m	ontor			
. an ioua current (i LA)	ioi unoo phase Ao III	10.01	at 480V	Α	240
			at 600V	A	242
Yielded mechanical pe	rformance		at 000 V		<u></u>
neided medianical pe	for three-phase AC r	motor			
	ioi iiiiee-piiase AC I	HOLUI	200/208V	HP	75
			200/200V 220/230V	HP	100
			575/600V	HP	250
General USE			373/0007	1 IF	200
General USE	Contactor				
	Contactor		٨٠	٨	250
Chart aireadt mastastic	fues 600V		AC current	Α	350
Short-circuit protection					
	Standard fault		Object of the first	1 A	4.0
			Short circuit current	kA	18
			Fuse rating	Α	800



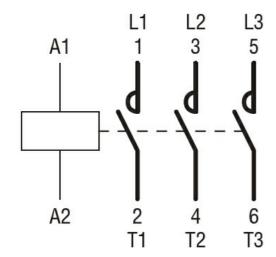
		Fuse class		L
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-50
		max	°C	70
	Storage temperature			
		min	°C	-60
		max	°C	80
Max altitude			m	3000
Resistance & Protect	tion			
Pollution degree				3
Dimoneione				

#### Dimensions 145 (5.71") 47.5 (1.87" 47.5 (1.87") 225 (8.86") 25 -(0.98" 5 -(0.20") 144 M10X35 0 0 180 (7.09") 204 (8.03") 0 110 (4.33") M8 (0.98") 110 166.1 (6.54")') \_\_ 145 \_ (5.71")

Wiring diagrams

**ENERGY AND AUTOMATION** 

#### THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 265A, AC/DC COIL, 440...480VAC/DC



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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