



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		IX V	
Operational requestoy	min	Hz	25
	max	Hz	400
IEC Conventional free air thermal current Ith	THOX	A	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	Α	
150	460V	Α	
IEC max current le in DC1 with L/R = 1ms with 2 poles in series	75.	•	050
	75V	A	350
	110V	A	300
	220V	A	250
	330V	A	
IEC may current to in DC4 with L/D. 4 mg with 2 notes in series	460V	A	<b></b>
IEC max current le in DC1 with L/R = 1ms with 3 poles in series	751/	^	350
	75V	A	350
	110V	Α	300
	220V	Α	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	100 v	- , ,	
The max current to in 500 500 with 511 = 10113 with 2 poics in series	75V	Α	280
	110V	A	250
	220V	A	200
	330V	A	200 
IFO was a support to in DOO DOE with 1/D. After with 0 and a in and in	460V	Α	
IEC max current le in DC3-DC5 with L/R = 15ms with 3 poles in series	751		000
	75V	A	280
	110V	Α	280
	220V	Α	250
	330V	Α	200
	460V	Α	<b></b>
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)		Α	2200
Protection fuse			
	gG (IEC)	Α	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)		m?	0.2
Power dissipation per pole (average value)			
	Ith	W	24.5
	AC3	W	12.5
Tightening torque for terminals	7.00	• • •	. 2.0
Tightoning torquo for torrinialo	min	Nm	35
	max	Nm	35 35
	min	lbin	25.8
		lbin	25.8 25.8
Tightoning torque for coil terminal	max	וווטו	20.0
Tightening torque for coil terminal	!	Nime	4
	min	Nm	1
	max	Nm	1



		min	lbin	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	9560
Conductor section				
	AWG/kcmil conductor section			
		max		500 kcmil
Operations				
Mechanical life			cycles	10000000
Electrical life			cycles	1000000
Safety related data			.,	
	0d according to EN/ISO 13489-1			
	54 4000.4g tog	rated load	cycles	1000000
		mechanical load	cycles	10000000
Mirror contats according	ng to IEC/EN 609474-4-1	THOUTAINDAI 1044	0,0.00	yes
EMC compatibility	19 10 12 67 214 000 17 1 1 1			yes
AC coil operating				yes
Rated AC voltage at 50	0/60Hz 60Hz			
Nated AC voltage at 30	0/00112, 00112	min	V	220
			V	240
AC operating voltage		max	V	240
AC operating voltage	of EO/GOUT goil noward at EOUT			
	of 50/60Hz coil powered at 50Hz			
	pick-up		0/115	90
	•	min	%Us	80
	pick-up	min max	%Us %Us	80 110
	•	max	%Us	110
	pick-up	max min	%Us %Us	110 20
	pick-up drop-out	max	%Us	110
	pick-up  drop-out  of 50/60Hz coil powered at 60Hz	max min	%Us %Us	110 20
	pick-up drop-out	max min max	%Us %Us %Us	110 20 60
	pick-up  drop-out  of 50/60Hz coil powered at 60Hz	max min max min	%Us %Us %Us	110 20 60 80
	pick-up  drop-out  of 50/60Hz coil powered at 60Hz pick-up	max min max	%Us %Us %Us	110 20 60
	pick-up  drop-out  of 50/60Hz coil powered at 60Hz	max min max min max	%Us %Us %Us %Us %Us	110 20 60 80 110
	pick-up  drop-out  of 50/60Hz coil powered at 60Hz pick-up	max min max min min max min	%Us %Us %Us %Us %Us %Us	110 20 60 80 110 20
	of 50/60Hz coil powered at 60Hz pick-up  drop-out	max min max min max	%Us %Us %Us %Us %Us	110 20 60 80 110
	pick-up  drop-out  of 50/60Hz coil powered at 60Hz pick-up	max min max min min max min	%Us %Us %Us %Us %Us %Us	110 20 60 80 110 20
	of 50/60Hz coil powered at 60Hz pick-up  drop-out	max min max min min max min	%Us %Us %Us %Us %Us %Us	110 20 60 80 110 20
	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 min max min	%Us %Us %Us %Us %Us %Us	110 20 60 80 110 20
	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	%Us %Us %Us %Us %Us %Us	110 20 60 80 110 20 60
	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	%Us %Us %Us %Us %Us %Us %Us %Us %Us	110 20 60 80 110 20 60
	of 50/60Hz coil powered at 60Hz pick-up  drop-out  drop-out  of 60Hz coil powered at 60Hz pick-up	max min max min max min max min max	%Us %Us %Us %Us %Us %Us %Us %Us %Us	110 20 60 80 110 20 60
	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 %Us %Us	110 20 60 80 110 20 60 80 110

AC average coil consumption at 20°C

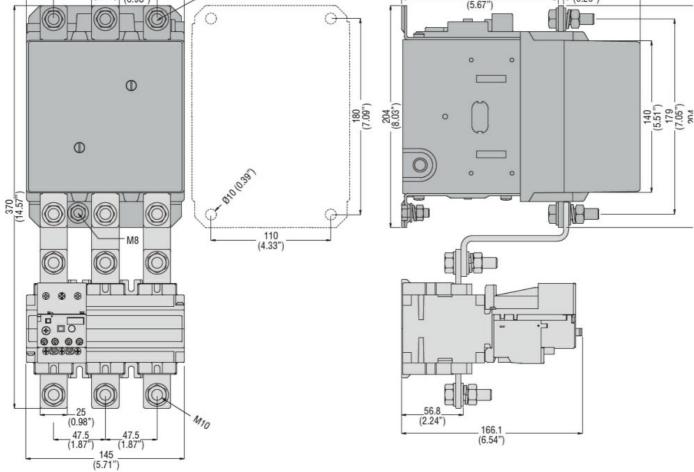
of 50/60Hz coil powered at 50Hz



			in-rush	VA	300
			holding	VA	10
	of 50/60Hz coil pow	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	ge				
			min	V	220
			max	V	240
DC operating voltage					
1 0 0	pick-up				
	11		min	%Us	80
			max	%Us	110
	drop-out				
	- I		min	%Us	20
			max	%Us	60
Average coil consump	tion =20°C				
	<u>-</u> 2 <del>2</del>		in-rush	W	300
			holding	W	10
Max cycles frequency			Holding	• • •	
Mechanical operation				cycles/h	2400
Operating times				0 9 0 10 0 7 1 1	2100
Average time for Us co	ontrol				
Avorago umo for co oc	in AC				
	111710	Closing NO			
		Olosing 110	min	ms	80
			max	ms	120
		Opening NO	max	1110	120
		oponing 110	min	ms	30
			max	ms	75
	in DC			•	
	2 0	Closing NO			
		Clooming 110	min	ms	80
			max	ms	120
		Opening NO			
		- 1	min	ms	30
			max	ms	75
UL technical data					
Full-load current (FLA)	for three-phase AC r	notor			
	,		at 480V	Α	240
			at 600V	Α	242
Yielded mechanical pe	erformance				
	for three-phase AC	motor			
			200/208V	HP	75
			220/230V	HP	100
			575/600V	HP	250
General USE			3. 3, 330 1		
	Contactor				
	30		AC current	Α	350
Short-circuit protection	fuse 600V		7.0 ourion	, ,	
Short should protocilon	Standard fault				
	Standard fault		Short circuit current	kA	18
			Fuse rating	A	800
			i use raing		000

		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 & Protec	tion			
Pollution degree				3
Dimensions				

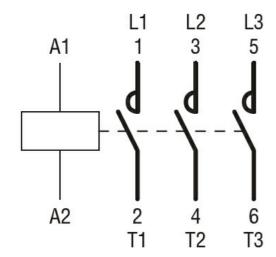
# Dimensions 145 (5.71") 47.5 (1.87") 25 (0.98") M10X35 (5.67") (1.67") (1.67") (1.67") (1.67")



Wiring diagrams

**ENERGY AND AUTOMATION** 

### THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 265A, AC/DC COIL, 220...240VAC/DC



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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