



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		ΝV	0
Operational frequency	min	Hz	25
	max	Hz	400
IEC Conventional free air thermal current Ith	IIIdA	A	350
Operational current le		~	550
	AC-1 (=40°C)	А	350
	AC-1 (=55°C)	A	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)			
1 1 ()	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	А	350
	110V	А	160
	220V	А	
	330V	А	
	460V	A	
IEC max current le in DC1 with L/R = 1ms with 2 poles in series			
	75V	A	350
	110V	A	300
	220V	A	250
	330V	A	
	460V	A	
IEC max current le in DC1 with L/R = 1ms with 3 poles in series			050
	75V	A	350
	110V	A	300
	220V	A	300



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	330V	А	250
	460V	Α	
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	А	150
	220V	А	
	330V	А	
	460V	А	
IEC max current le in DC3-DC5 with L/R = 15ms with 2 poles in series			
	75V	А	280
	110V	А	250
	220V	А	200
	330V	А	
	460V	А	
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	A	200
	460V	A	
IEC max current le in DC3-DC5 with L/R = 15ms with 4 poles in series			
	75V	А	280
	110V	A	280
	220V	A	280
	330V	A	200
	460V	A	200
Short-time allowable current for 10s (IEC/EN60947-1)	1001	A	2200
Protection fuse			2200
	gG (IEC)	А	400
	aM (IEC)	A	250
Making capacity (RMS value)		A	2750
Breaking capacity at voltage		~	2750
broaking capacity at voltage	440V	А	2500
	440V 500V	A	2500
	500V 690V		2200
Pasistance per pole (average value)	0901	A m?	0.2
Resistance per pole (average value)		1117	0.2
Power dissipation per pole (average value)	141-	14/	04 E
	lth	W	24.5
Tightoning toyour for toyoingle	AC3	W	12.5
Tightening torque for terminals	•	NES	05
	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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ENERGY AND AUTOMATION				
		min	Ibin	0.74
		max	Ibin	0.74
Max number of wires s	imultaneously connectable	Шах	Nr.	2
Conductor section			111.	2
	AWG/Kcmil			
	AWG/Remin	max		500 kcmil
Power terminal protect	tion according to IEC/EN 60529	Παλ		IP00
Mechanical features				11 00
Operating position				
		normal		Vertical plan
		allowable		±30°
Fixing		allowable		Screw
Weight	<u></u>		0	9690
Conductor section			g	9090
	AWG/kcmil conductor section			
		max		500 kcmil
Operationa		max		500 KCIIII
Operations Mechanical life			cycles	10000000
Electrical life			-	1000000
Safety related data			cycles	1000000
	d apparding to EN/ISO 12480 1			
	Dd according to EN/ISO 13489-1	rated load	ovoloo	1000000
		mechanical load	cycles	1000000
Mirror contato accordir	ng to IEC/EN 609474-4-1		cycles	
	Ig to IEC/EN 009474-4-1			yes
EMC compatibility				yes
AC coil operating			V	24
Rated AC voltage at 50	J/60H2		V	24
AC operating voltage	of FO/COLLE and powered at FOLLE			
	of 50/60Hz coil powered at 50Hz			
	pick-up		0/11-	00
		min	%Us	80
	duan a	max	%Us	110
	drop-out	min	%Us	20
		min	%Us %Us	20 60
	of 50/60Hz coil powered at 60Hz	max	/005	00
	of 50/60Hz coil powered at 60Hz pick-up			
	ρισκ-αρ	min	%Us	80
		max	%Us %Us	80 110
	drop-out	illax	/005	110
	diop-out	min	%Us	20
			%Us %Us	20 60
	of 60Hz coil powered at 60Hz	max	/005	00
	· · ·			
	pick-up	min	%Us	80
			%Us %Us	80 110
	drop-out	max	/005	110
	alop-out		0/110	20

AC average coil consumption at 20°C

min

max

%Us

%Us

20

60



	(= 0 / 0 0 1 1 1 1				
	of 50/60Hz coil powe	ered at 60Hz			
			in-rush	VA	300
			holding	VA	10
Dissipation at holding	=20°C 50Hz		ŭ	W	10
DC coil operating	20 0 00112				10
				λ/	0.4
DC rated control voltage	ge			V	24
DC operating voltage					
	pick-up				
			min	%Us	80
			max	%Us	110
			THAX	/003	110
	drop-out				
			min	%Us	20
			max	%Us	60
Average coil consump	tion =20°C				
worage con concamp			in-rush	W	300
			holding	W	10
Max cycles frequency					
Mechanical operation				cycles/h	2400
Operating times					
Average time for Us co	ontrol				
The raye lime for US C					
	in AC				
		Closing NO			
			min	ms	80
			max	ms	120
		Opening NO			
					00
			min	ms	30
			max	ms	75
	in DC				
		Closing NO			
		5 5 5	min	ms	80
			max	ms	120
		Opening NO			
			min	ms	30
			max	ms	75
UL technical data					
	for three-phase AC m	otor			
	nor three-phase AC m	0101			
			at 480V	A	240
			at 600V	A	242
Yielded mechanical pe	erformance				
· ·	for three-phase AC n	notor			
			200/208V	HP	75
			220/230V	HP	100
			575/600V	HP	250
General USE					
	Contactor				
			AC current	А	350
	(AC current	А	550
Short-circuit protection					
	Standard fault				
			Short circuit current	kA	18
			Fuse rating	A	800
			-	7	
			Fuse class		L
Ambient conditions					
Temperature					
·	Operating temperatu	*0			

Operating temperature

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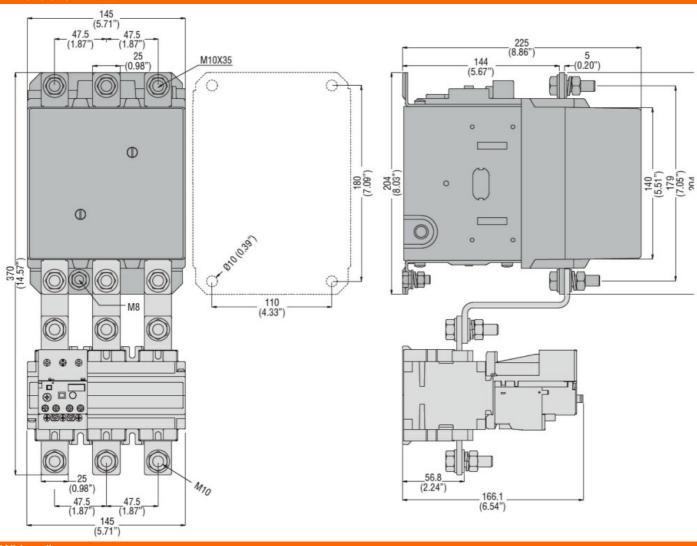


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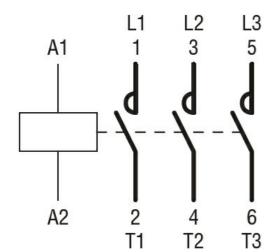
	min	°C	-50
	max	°C	70
Storage temperature			
	min	°C	-60
	max	°C	80
Max altitude		m	3000
Resistance & Protection			
Pollution degree			3

Dimensions



Wiring diagrams





Certifications and compliance

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