

FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 350A, AC/DC COIL, 60VAC/DC



Product designation Product type designation			Power contactor B250
Contact characteristics			5200
Number of poles		Nr.	4
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-1 (T≤40°C)	7.0 . (1001)		
Traise operational perior (1-10 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	000 V	1000	000
The max same it is in bot with bit a min i poles in sense	75V	Α	350
	110V	A	160
	220V	A	
	330V	A	
	460V	A	
IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series			
The max current to in bot with E/N = mis with 2 poics in series	75V	Α	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			
The max current le in De i with Lift 2 mis with 5 poles in series	75V	Α	350
	110V	A	300
	220V	A	300
	330V	A	250
	460V	A	
IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series	400 V		
TEO MAX CUITERLIE III DOT WILL LIN > THIS WILL 4 POICS III SELIES	75V	Α	350
	110V	A	300
	220V		300
		A	
	330V 460V	A	300 250
	4007	Α	∠30

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IFO			
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 1 poles in series	75\/	۸	200
	75V 110V	A	280
		A	150
	220V 330V	A	
	460V	A A	
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 2 poles in series	460 V	A	
TEC max current le in DC3-DC3 with L/R \(\) 13ms with 2 poles in series	751	۸	200
	75V	A	280
	110V	A	250
	220V	A	200
	330V	A	
IFO	460V	A	
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	A	250
	330V	A	200
150 11 1 B00 505 11 15 11 15 11 15 11 15 11 15 11 15 11 15 11 15 11 15 11 15 11 15 11 15 11 15 11 15 11 15 11	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)		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)		mΩ	0.2
Power dissipation per pole (average value)			
	Ith	W	24.5
	AC-3	W	12.5
Tightening torque for terminals			
	min	Nm	35
	max	Nm	35
	min	Ibin	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
Max number of wires simultaneously connectable		Nr.	2
Conductor section		·	
AWG/Kcmil			
/WO/Mornii	max		500 kcmil
Power terminal protection according to IEC/EN 60529	Пах		IP00



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Operating position

Operating position		normal		Vertical plan
		allowable		±30°
Fixing		anowabic		Screw
Weight			g	1080
Conductor section				
	AWG/kcmil conductor section			
		max		500 kcmil
Operations				
Mechanical life			cycles	10000000
Electrical life			cycles	1000000
Safety related data				
Performance level B10	0d according to EN/ISO 13489-1			
		rated load	cycles	1000000
		mechanical load	cycles	10000000
	ng to IEC/EN 609474-4-1			yes
EMC compatibility				yes
AC coil operating				
Rated AC voltage at 50	0/60Hz		V	60
AC operating voltage				
	of 50/60Hz coil powered at 50Hz			
	pick-up		0/11	
		min	%Us	80
	duam aut	max	%Us	110
	drop-out	min	%Us	20
		min	%Us	60
	of 50/60Hz coil powered at 60Hz	max	7008	00
	pick-up			
	ριοκ αρ	min	%Us	80
		max	%Us	110
	drop-out	max	7000	110
		min	%Us	20
		max	%Us	60
	of 60Hz coil powered at 60Hz			
	pick-up			
		min	%Us	80
		max	%Us	110
	drop-out			
		min	%Us	20
		max	%Us	60
AC average coil consu	•			
	of 50/60Hz coil powered at 50Hz			
		in-rush	VA	300
	(50,00)	holding	VA	10
	of 50/60Hz coil powered at 60Hz		1/4	200
		in-rush	VA	300
Dissipation at balding	<20°C F0LI=	holding	VA	10
Dissipation at holding:	≥∠U U DU⊓∠		W	10
DC coil operating	70		V	60
DC rated control voltage	J⊏		V	υυ
DC operating voltage	niek up			
	pick-up			

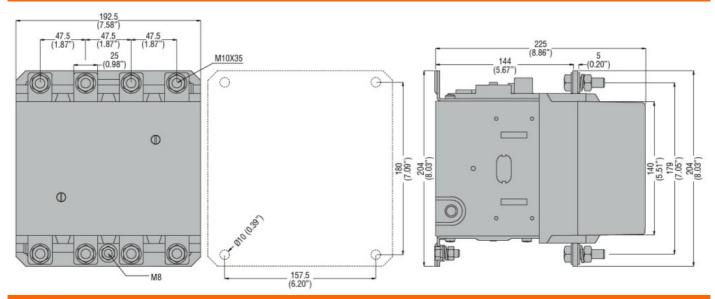


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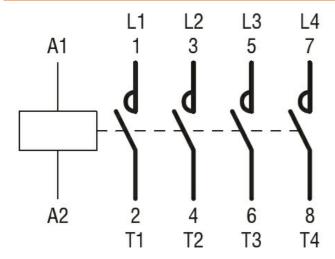
			min	%Us	80
			max	%Us	110
	drop-out				
			min	%Us	20
			max	%Us	60
Average coil consump	tion ≤20°C				
			in-rush	W	300
			holding	W	10
Max cycles frequency					
Mechanical operation				cycles/h	2400
Operating times					
Average time for Us co	ontrol				
	in AC				
		Closing NO			
			min	ms	80
			max	ms	120
		Opening NO			
			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 AC	motor			
			at 480V	A	240
	_		at 600V	Α	242
Yielded mechanical pe					
	for three-phase AC	motor	000/0001/		
			200/208V	HP	75
			220/230V	HP	100
0 11105			575/600V	HP	250
General USE	On many trans				
	Contactor		AO	٨	250
Chart aircuit reade at	tugo 600\/		AC current	A	350
Short-circuit protection					
	Standard fault		Chart aireadt accurat	LΛ	10
			Short circuit current	kA ^	18
			Fuse rating Fuse class	Α	800 L
Ambient conditions			ruse ciass		
Temperature	Operating temperat	turo			
	Operating temperat	เนเซ	min	°C	-50
				°C	-50 70
	Storage temperature	ro	max	C	10
	Storage temperature	i e	ma!	°C	60
			min	°C	-60 80
Max altitude			max		3000
Resistance & Protection	on			m	3000
Pollution degree	JIT				2
					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