

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



Product designation Product type designation			Power contactor B250
Contact characteristics			
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)			
	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	
	460V	Α	
IEC max current le in DC1 with L/R = 1ms with 2 poles in series			
	75V	Α	350
	110V	Α	300
	220V	Α	250
	330V	Α	
	460V	Α	
IEC max current le in DC1 with L/R = 1ms with 3 poles in series			_
	75V	Α	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

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EC 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	
EC 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	
EC max current le in DC3-DC5 with L/R = 15ms with 3 poles in series			
20 max ountrie in 200 200 mar 210 - Tomo mar o poloo in conco	75V	Α	280
	110V	A	280
	220V	A	250
	330V	A	200
	460V	A	
EC may augreent to in DC2 DC5 with L/D. A5 may with 4 nates in acrise	460 V	A	
EC max current le in DC3-DC5 with L/R = 15ms with 4 poles in series	75)/	^	000
	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
Fightening torque for terminals	7.00		
Typitoring torquo for torrinialo	min	Nm	35
	max	Nm	35
	min	Ibin	25.8
		Ibin	25.8
Fightoning town to for pail towning!	max	IDIII	23.0
Fightening torque for coil terminal		N. I	4
	min	Nm	1
	max	Nm	1
	min	Ibin	0.74
	max	lbin	0.74
		Nr.	2
·			
Conductor section			
·			
Max number of wires simultaneously connectable Conductor section AWG/Kcmil	max		500 kcmil



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Operating position

	allowable		±30°
			^
			Screw
		g	1137
nil conductor section			
	max		500 kcmil
			1000000
		cycles	1000000
. FN//00 40400 4			
ig to EN/ISO 13489-1			4000000
		-	1000000
NI 000 474 4 4	mecnanicai ioad	cycles	1000000
N 609474-4-1			yes
			yes
		\/	24
		V	24
la coil novemed at EOUs			
-			
ріск-ар	min	% Lle	80
			110
dron-out	παλ	7003	110
diop out	min	%Us	20
			60
Iz coil powered at 60Hz		,,,,,	
	min	%Us	80
	max	%Us	110
drop-out			
	min	%Us	20
	max	%Us	60
coil powered at 60Hz			
pick-up			
	min	%Us	80
	max	%Us	110
drop-out			
	min		20
2000	max	%Us	60
ız coll powered at 50Hz		3.74	200
			300
Iz anil navvored at COLI-	noiding	VA	10
12 coii powered at 60HZ	in much	١/٨	300
			10
	noiding		10
<u>_</u>		V V	10
		\/	24
		V	24
1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	oil powered at 60Hz pick-up	g to EN/ISO 13489-1 rated load mechanical load N 609474-4-1 Iz coil powered at 50Hz pick-up min max drop-out min max drop-out min max drop-out min max drop-out min max coil powered at 60Hz pick-up min max drop-out min max coil powered at 60Hz pick-up in-rush holding Iz coil powered at 60Hz in-rush holding	rated load cycles g to EN/ISO 13489-1 rated load cycles mechanical load cycles nechanical load cycles weep mechanical load cycles N 609474-4-1 Iz coil powered at 50Hz pick-up min %Us max %Us drop-out min %Us max %Us lz coil powered at 60Hz pick-up min %Us max %Us lz coil powered at 60Hz pick-up min %Us max %Us lz coil powered at 60Hz pick-up min %Us max %Us loil powered at 60Hz pick-up min %Us max %Us oil powered at 60Hz pick-up min %Us max %Us oil powered at 60Hz pick-up min %Us max %Us oil powered at 50Hz in-rush %Us holding VA



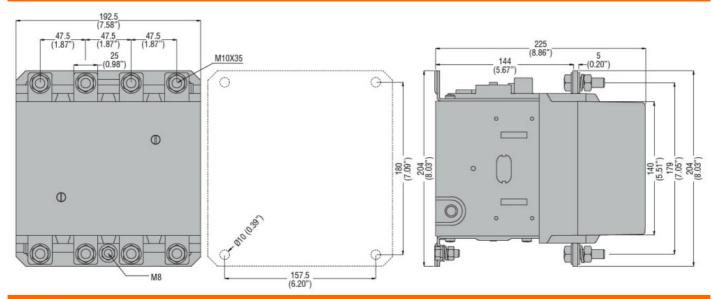
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			min	%Us	80
			max	%Us	110
	drop-out				
			min	%Us	20
			max	%Us	60
Average coil consump	tion =20°C				
			in-rush	W	300
			holding	W	10
Max cycles frequency					
Mechanical operation				cycles/h	2400
Operating times					
Average time for Us co					
	in AC	Clasias NO			
		Closing NO	min	mo	80
				ms ms	120
		Opening NO	max	1115	120
		Opening NO	min	ms	30
			max	ms	75
	in DC		тих	1110	
	50	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 r	notor			
			at 480V	Α	240
			at 600V	Α	242
Yielded mechanical pe					
	for three-phase AC	motor			
			200/208V	HP	75
			220/230V	HP	100
0 11105			575/600V	HP	250
General USE	O a start				
	Contactor		A C 2::==================================	۸	250
Chart aircuit a rata ati	tugo 600\/		AC current	A	350
Short-circuit protection	Standard fault				
	Statiualu lault		Short circuit current	kA	18
			Fuse rating	KA A	800
			Fuse class	\wedge	L
Ambient conditions			1 450 01455		_
Temperature					
	Operating temperat	ure			
	5		min	°C	-50
			max	°C	70
	Storage temperatur	e			
	9 · · · · · · · · · · · ·		min	°C	-60
			max	°C	80
Max altitude			<u> </u>	m	3000
Resistance & Protection	on				
Pollution degree					3

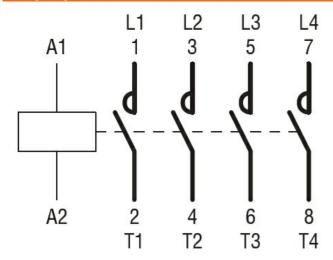
ENERGY AND AUTOMATION

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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