



Product designation			Power contactor
Product type designation Contact characteristics			B250
Number of poles		Nr.	4
Rated insulation voltage Ui IEC/EN		V	1000
Rated impulse withstand voltage Uimp		kV	8
Operational frequency		ΝV	0
Operational frequency	min	Hz	25
		⊓z Hz	400
IEC Conventional free air thermal current Ith	max	A	350
Operational current le		A	330
•	1 (-40°C)	۸	250
	1 (=40°C) 1 (=55°C)	A	350 300
	1 (=35 C) 1 (=70°C)	A	250
AC-3 (=440	` ,	A	265
·	5-4 (400V)	A	115
	-4 (400V)	A	115
Rated operational power AC-1 (T=40°C)	2201/	I-\ \ /	104
	230V 400V	kW kW	124 214
			282
	500V 690V	kW kW	380
IFC may current la in DC4 with L/D. Amo with 4 pales in series	6907	KVV	300
IEC max current le in DC1 with L/R = 1ms with 1 poles in series	75\/	۸	250
	75V	A	350
	110V	A	160
	220V	A	
	330V	A	
IFC may assume the impOd with L/D. Amag with 2 malas in agrice	460V	Α	
IEC max current le in DC1 with L/R = 1ms with 2 poles in series	75\/	۸	250
	75V	A	350
	110V	A	300
	220V	A	250
	330V	A	
IFO and a company to its DOA with L/D. A many with O males in a gries	460V	A	
IEC max current le in DC1 with L/R = 1ms with 3 poles in series	75\/	۸	250
	75V	A	350
	110V	A	300
	220V	A	300
	330V	A	250
IFC may aureant lain DC4 with L/D. Ama with Analas is social	460V	Α	
IEC max current le in DC1 with L/R = 1ms with 4 poles in series	75\/	۸	250
	75V	A	350
	110V 220V	A A	300 300
		A	300
	330V 460V	A A	300 250

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	
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	
IEC max current le in DC3-DC5 with L/R = 15ms with 3 poles in series		,,	
120 max outront to in 200 200 with 2/1 = 10/10 with 6 poles in series	75V	Α	280
	110V	A	280
	220V	A	250
	330V	A	200
	460V	A	
IFC may current to in DC2 DC5 with L/D. 45mg with 4 polos in series	400 V	A	
IEC max current le in DC3-DC5 with L/R = 15ms with 4 poles in series	751	^	000
	75V	A	280
	110V	A	280
	220V	A	280
	330V	Α	200
	460V	Α	200
Short-time allowable current for 10s (IEC/EN60947-1)		A	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			
	min	Nm	35
	max	Nm	35
	min	Ibin	25.8
	max	Ibin	25.8
Tightening torque for coil terminal			
2 ·· 2 · 2 · 2 · 4 · 2 · · · · · · · · · · · · · · · ·	min	Nm	1
	max	Nm	1
	min	lbin	0.74
	max	lbin	0.74
	Παλ	Nr.	2
Max number of wires simultaneously connectable		I VII.	
·			
Conductor section			
·	marr		E00 komil
Max number of wires simultaneously connectable Conductor section AWG/Kcmil Power terminal protection according to IEC/EN 60529	max		500 kcmil



Operating position

Operating position				
		normal		Vertical plan
		allowable		±30°
Fixing				Screw
Weight			g	1112
Conductor section				
	AWG/kcmil conductor section			- 001 "
On anations		max		500 kcmil
Operations				40000000
Mechanical life			cycles	10000000
Electrical life			cycles	1000000
Safety related data	0d according to EN/ISO 12490 1			
Periormance level bit	0d according to EN/ISO 13489-1	rated load	ovoloo	1000000
		mechanical load	cycles cycles	1000000
Mirror contate accordin	ng to IEC/EN 609474-4-1	THECHAINCAI IOAU	cycles	
EMC compatibility	19 10 12 6/211 009474-4-1			yes
AC coil operating				yes
Rated AC voltage at 50	0/60Hz 60Hz			
. tatou / to voltage at of	0.00.12, 00112	min	V	220
		max	V	240
AC operating voltage			<u>-</u>	
rio opolaning romage	of 50/60Hz coil powered at 50Hz			
	pick-up			
	· ·	min	%Us	80
		max	%Us	110
	drop-out			
		min	%Us	20
		max	%Us	60
	of 50/60Hz coil powered at 60Hz			
	pick-up			
		min	%Us	80
		max	%Us	110
	drop-out			
		min	%Us	20
		max	%Us	60
	of 60Hz coil powered at 60Hz			
	pick-up	min	%Us	80
		min max	%Us	110
	drop-out	IIIax	/008	110
	αιορ-οαι	min	%Us	20
		max	%Us	60
AC average coil consu	umption at 20°C	max	,,,,,	
	of 50/60Hz coil powered at 50Hz			
		in-rush	VA	300
		holding	VA	10
	of 50/60Hz coil powered at 60Hz	9	<u> </u>	
	,	in-rush	VA	300
		holding	VA	10
Dissipation at holding	=20°C 50Hz	<u> </u>	W	10
DC coil operating				

DC rated control voltage

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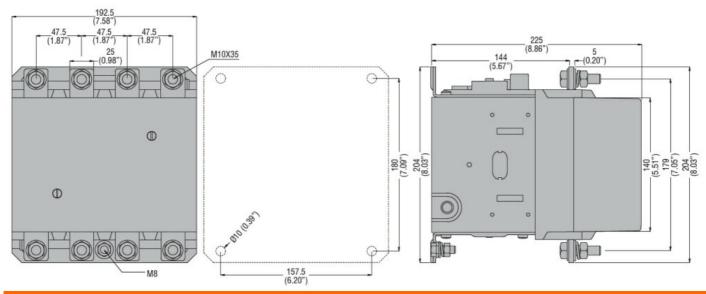


			min	V	220
			max	V	240
DC operating voltage					
	pick-up				
			min	%Us	80
			max	%Us	110
	drop-out			0/11-	0.0
			min	%Us	20
Average seil sensumn	tion =20°C		max	%Us	60
Average coil consump	olion =20 C		in ruch	14/	200
			in-rush holding	W	300 10
Max cycles frequency			noluling	VV	10
Mechanical operation				cycles/h	2400
Operating times				Cycles/II	2400
Average time for Us co	ontrol				
, wordyo tillio lor os ot	in AC				
		Closing NO			
		3.33.19 110	min	ms	80
			max	ms	120
		Opening NO	παλ	1113	.20
		Opolining 140	min	ms	30
			max	ms	75
	in DC				. •
		Closing NO			
		one and a second	min	ms	80
			max	ms	120
		Opening NO			
		1 0	min	ms	30
			max	ms	75
UL technical data					
Full-load current (FLA)	for three-phase AC	motor			
			at 480V	Α	240
			at 600V	Α	242
Yielded mechanical pe					
	for three-phase A	C motor			
			200/208V	HP	75
			220/230V	HP	100
			575/600V	HP	250
General USE					
	Contactor				
			AC current	Α	350
Short-circuit protection					
	Standard fault				4.0
			Short circuit current	kA	18
			Fuse rating	Α	800
A mala i a material management			Fuse class		L
Ambient conditions					
Temperature	On another trans	- A			
	Operating temperating	ature		00	F0
			min	°C	-50 70
	01		max	°C	70
	Storage temperate	ure		00	00
			min	°C	-60

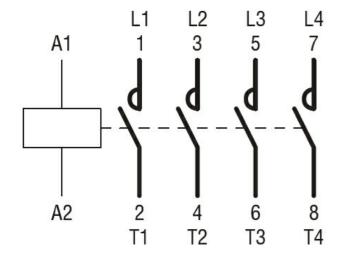
ENERGY AND AUTOMATION

FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 350A, AC/DC COIL, 220...240VAC/DC

	max	°C	80
Max altitude		m	3000
Resistance & Protection			
Pollution degree			3
Dimensions			



Wiring diagrams



Certifications and 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



