FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 350A, AC/DC COIL, **electric** ALREADY FITTED WITH MECHANICAL LATCH (G495), 220...240VAC/DC, MECHANICAL LATCH

ENERGY AND AUTOMATION 220...240VAC



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			
120 max can entre in 201 mai 2/102 mile mai 1 perso in centre	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	100 V	- / (
120 max out off to in 201 with 2/12 mile with 2 poles in series	75V	Α	350
	110V	Α	300
	220V	Α	250
	330V	A	
	460V	A	
IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series	+00 V		
120 max current to in 201 with 2/12 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	+00 V		
120 max outfolk to in DOT with E/IX = 1110 with 4 poles in selles	75V	Α	350
	110V	A	300
	220V	A	300
	330V	A	300
	460V	A	250
	4 00 V	^	200

***** Lovato

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ENERGY AND AUTOMATION

220...240VAC

IFC many automatile in DC2 DC5 with L/D < 45 may with 4 males in parise			
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 1 poles in series	75\/	۸	000
	75V	A	280
	110V	A	150
	220V	A	
	330V	A	
IFO was a support to in DOO DOC with 1/D < 45 was with 0 males in a spiral	460V	A	
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 2 poles in series			
	75V	Α	280
	110V	A	250
	220V	A	200
	330V	A	
150 DOS DOS 111 L D 1 L	460V	Α	
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series			
	75V	Α	280
	110V	Α	280
	220V	Α	250
	330V	Α	200
	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)			
Tonor dissipation por pore (average value)	Ith	W	24.5
	AC-3	W	12.5
Tightening torque for terminals	7.00		
gg. torquo for torrimicio	min	Nm	35
	max	Nm	35
	min	lbin	25.8
	max	Ibin	25.8
Tightening torque for coil terminal	Παλ	10111	20.0
rightening torque for conferminal	min	Nm	1
	max	Nm	1 1
	min	Ibin	0.74
	max	Ibin	0.74
Max number of wires simultaneously connectable	IIIaX	Nr.	2
·		INI.	
Conductor section			
AWG/Kcmil			500 le!!
Decrease terrainal annotanting account to the IEO/EN 2000	max		500 kcmil
Power terminal protection according to IEC/EN 60529			IP00
Mechanical features			

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ENERGY AND AUTOMATION 220...240VAC

Operating position

Operating position		normal		Vertical plan
		allowable		±30°
ixing				Screw
Veight			g	1140
Operations				
Mechanical life			cycles	10000000
Electrical life			cycles	1000000
Safety related data				
erformance 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, 60Hz			
		min	V	220
		max	V	240
AC operating voltage	(= 0/001)			
	of 50/60Hz coil powered at 50Hz			
	pick-up	*.	0/11-	90
		min	%Us	80
	drap out	max	%Us	110
	drop-out	min	%Us	20
		max	%Us	60
	of 50/60Hz coil powered at 60Hz	Παλ	/003	00
	pick-up			
	plot 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
		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
	(50/0011"	holding	VA	10
	of 50/60Hz coil powered at 60Hz		1/4	200
		in-rush	VA	300
Dissipation of In-I-II	<20°C FOUT	holding	VA	10
Dissipation at holding:	≥∠U ∪ ƏUHZ		W	10
DC coil operating	20			
DC rated control voltag	A c	min	V	220
			V V	240
DC operating voltage		max	V	240

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	pick-up				
	рюк ир		min	%Us	80
			max	%Us	110
	drop-out				
			min	%Us	20
			max	%Us	60
Average coil consumpt	tion ≤20°C				
			in-rush	W	300
Man mala for many			holding	W	10
Max cycles frequency Mechanical operation				ovoloo/b	2400
Operating times				cycles/h	2400
Average time for Us co	ntrol				
Two rago timo for Go oc	in AC				
		Closing NO			
		ŭ	min	ms	80
			max	ms	120
		Opening NO			
			min	ms	30
			max	ms	75
	in DC				
		Closing NO			
			min	ms	80
		Opening NO	max	ms	120
		Opening NO	min	ms	30
			max	ms	75
UL technical data			Пах	1110	7.0
Rated operational volta	age AC (UL)			V	600
Full-load current (FLA)		notor			
, ,	·		at 480V	Α	240
			at 600V	Α	242
Yielded mechanical pe	rformance				_
	for three-phase AC	motor			
			200/208V	HP	75
			220/230V	HP	100
0 11105			575/600V	HP	250
General USE	Contactor				
	Contactor		AC current	Α	350
Short-circuit protection	fuse 600V		AC current	^	330
Chort Grount protection	Standard fault				
	Januara radit		Short circuit current	kA	18
			Fuse rating	A	800
			Fuse class		L
Ambient conditions					
Temperature					
	Operating temperat	ure			
			min	°C	-50
			max	°C	70
	Storage temperatur	е			
			min	°C	-60
Managhita I.			max	°C	80
Max altitude				m	3000



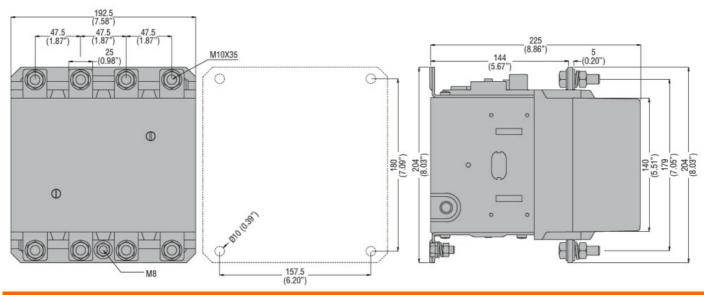
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ENERGY AND AUTOMATION

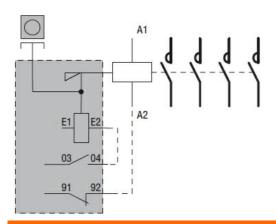
Resistance & Protection

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