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**ENERGY AND AUTOMATION** 

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

220...240VAC



Product designation			Power contactor
Product type designation			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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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	<b></b>
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	lbin	25.8
	max	lbin	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

DC rated control voltage

Mirror contats according to IEC/EN 609474-4-1 EMC compatibility AC coil operating Rated AC voltage at 50/60Hz, 60Hz  AC operating voltage  of 50/60Hz coil powered at 50Hz pick-up	rated load mechanical load	g cycles cycles cycles cycles	±30° Screw 1140  500 kcmil 10000000 10000000
Weight Conductor section  AWG/kcmil conductor section  Operations Mechanical life Electrical life Safety related data Performance level B10d according to EN/ISO 13489-1  Mirror contats according to IEC/EN 609474-4-1  EMC compatibility AC coil operating Rated AC voltage at 50/60Hz, 60Hz  AC operating voltage  of 50/60Hz coil powered at 50Hz pick-up	rated load	cycles cycles	1140 500 kcmil 10000000 1000000
Conductor section  AWG/kcmil conductor section  Operations  Mechanical life  Electrical life  Safety related data  Performance level B10d according to EN/ISO 13489-1  Mirror contats according to IEC/EN 609474-4-1  EMC compatibility  AC coil operating  Rated AC voltage at 50/60Hz, 60Hz  AC operating voltage  of 50/60Hz coil powered at 50Hz  pick-up	rated load	cycles cycles	500 kcmil 10000000 1000000
AWG/kcmil conductor section  Operations  Mechanical life  Electrical life  Safety related data  Performance level B10d according to EN/ISO 13489-1  Mirror contats according to IEC/EN 609474-4-1  EMC compatibility  AC coil operating  Rated AC voltage at 50/60Hz, 60Hz  AC operating voltage  of 50/60Hz coil powered at 50Hz  pick-up	rated load	cycles	1000000 1000000 1000000
Mechanical life Electrical life Safety related data Performance level B10d according to EN/ISO 13489-1  Mirror contats according to IEC/EN 609474-4-1  EMC compatibility AC coil operating Rated AC voltage at 50/60Hz, 60Hz  AC operating voltage  of 50/60Hz coil powered at 50Hz pick-up	rated load	cycles	1000000 1000000 1000000
Mechanical life Electrical life Safety related data Performance level B10d according to EN/ISO 13489-1  Mirror contats according to IEC/EN 609474-4-1  EMC compatibility AC coil operating Rated AC voltage at 50/60Hz, 60Hz  AC operating voltage  of 50/60Hz coil powered at 50Hz pick-up	rated load	cycles	1000000 1000000 1000000
Mechanical life Electrical life Safety related data Performance level B10d according to EN/ISO 13489-1  Mirror contats according to IEC/EN 609474-4-1  EMC compatibility AC coil operating Rated AC voltage at 50/60Hz, 60Hz  AC operating voltage  of 50/60Hz coil powered at 50Hz pick-up		cycles	1000000
Electrical life Safety related data Performance level B10d according to EN/ISO 13489-1  Mirror contats according to IEC/EN 609474-4-1  EMC compatibility AC coil operating Rated AC voltage at 50/60Hz, 60Hz  AC operating voltage  of 50/60Hz coil powered at 50Hz pick-up		cycles	1000000
Performance level B10d according to EN/ISO 13489-1  Mirror contats according to IEC/EN 609474-4-1  EMC compatibility  AC coil operating  Rated AC voltage at 50/60Hz, 60Hz  AC operating voltage  of 50/60Hz coil powered at 50Hz  pick-up		cycles	1000000
Mirror contats according to IEC/EN 609474-4-1 EMC compatibility AC coil operating Rated AC voltage at 50/60Hz, 60Hz  AC operating voltage  of 50/60Hz coil powered at 50Hz pick-up		-	
Mirror contats according to IEC/EN 609474-4-1 EMC compatibility AC coil operating Rated AC voltage at 50/60Hz, 60Hz  AC operating voltage  of 50/60Hz coil powered at 50Hz pick-up		-	
Mirror contats according to IEC/EN 609474-4-1 EMC compatibility AC coil operating Rated AC voltage at 50/60Hz, 60Hz  AC operating voltage  of 50/60Hz coil powered at 50Hz pick-up	mechanical load	-	
EMC compatibility  AC coil operating  Rated AC voltage at 50/60Hz, 60Hz  AC operating voltage  of 50/60Hz coil powered at 50Hz  pick-up			10000000
AC coil operating Rated AC voltage at 50/60Hz, 60Hz  AC operating voltage  of 50/60Hz coil powered at 50Hz pick-up			yes
Rated AC voltage at 50/60Hz, 60Hz  AC operating voltage  of 50/60Hz coil powered at 50Hz  pick-up			yes
AC operating voltage of 50/60Hz coil powered at 50Hz pick-up			
of 50/60Hz coil powered at 50Hz pick-up			
of 50/60Hz coil powered at 50Hz pick-up	min	V	220
of 50/60Hz coil powered at 50Hz pick-up	max	V	240
pick-up			
		0/11	
	min	%Us	80
drap out	max	%Us	110
drop-out	min	%Us	20
	min max	%Us	60
of 50/60Hz coil powered at 60Hz	IIIdx	7003	00
pick-up			
pion ap	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
A.O	max	%Us	60
AC average coil consumption at 20°C			
of 50/60Hz coil powered at 50Hz	ام سیماد	١/٨	200
	in-rush	VA VA	300 10
of 50/60Hz coil powered at 60Hz	holding	VA	10
oi su/ounz cuii puweieu at ounz	in-rush	VA	300
	holding	VA VA	10
Dissipation at holding ≤20°C 50Hz		V /~\	111

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			min	V	220
			max	V	240
DC operating voltage					
20 operating remage	pick-up				
	pick up		min	%Us	80
	1		max	%Us	110
	drop-out			0/11	
			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				
, worage unic for 03 CC	in AC				
	III AC	Clasina NO			
		Closing NO	•	,	0.0
			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	····	1110	.20
		opening 140	min	ms	30
					75
UL technical data			max	ms	75
	. fa., th.,, a., ., h., a.,	2			
Full-load current (FLA)	for three-phase At	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				
	Jonado		AC current	Α	350
Chart aircuit protection	tugo 600\/		AC current	Α	JJU
Short-circuit protection					
	Standard fault		01		4.0
			Short circuit current	kA	18
			Fuse rating	Α	800
			Fuse class		L
Ambient conditions					
Temperature					
-	Operating temper	ature			
	, 3		min	°C	-50
			max	°C	70
	Storage temperat	uro	IIIdX		, 0
	Storage temperat	uic	* ·	۰.۵	60
			min	°C	-60

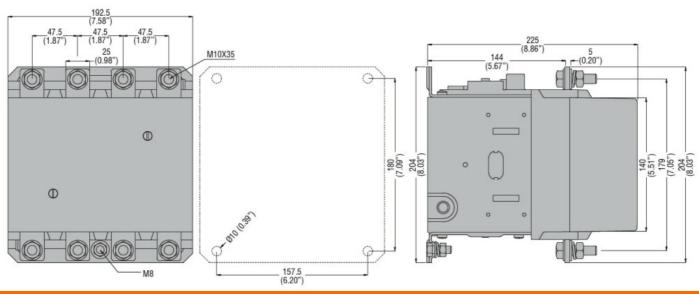


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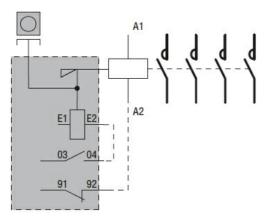
**ENERGY AND AUTOMATION** 

220...240VAC

	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