



Product designation			Power contactor B250
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			•
	min	Hz	25
	max	Hz	400
IEC Conventional free air thermal current Ith		Α	350
Operational current le			
	AC-1 (≤40°C)	А	350
	AC-1 (≤55°C)	А	300
	AC-1 (≤70°C)	А	250
	AC-3 (≤440V ≤55°C)	А	265
	AC-4 (400V)	А	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 $L/R \le 1$ ms with 1 poles in series			
	75V	А	350
	110V	А	160
	220V	А	
	330V	А	
	460V	A	
IEC max current le in DC1 with $L/R \le 1$ ms with 2 poles in series			
	75V	A	350
	110V	A	300
	220V	A	250
	330V	A	
IFO ment a summer the in DO4 with L/D < America with 0 meteories	460V	A	
IEC max current le in DC1 with $L/R \le 1$ ms with 3 poles in series	75)/	٨	050
	75V	A	350
	110V 220V	A	300 300
	220V 330V	A A	250
	460V	A	
IEC max current le in DC1 with $L/R \le 1$ ms with 4 poles in series	400 V	~	
	75V	А	350
	110V	A	300
	220V	A	300
	330V	A	300
	460V	A	250
	400 V	Л	200



IEC max current le in DC3-DC5 with L/R ≤ 15ms with 1 poles in series			
	75V	А	280
	110V	A	150
	220V	A	
	330V	A	
	460V	A	
EC max current le in DC3-DC5 with $L/R \le 15$ ms with 2 poles in series	+001	Α	
	75V	۸	280
	110V	A A	
			250
	220V	A	200
	330V	A	
	460V	A	
EC max current le in DC3-DC5 with $L/R \le 15$ ms with 3 poles in series			
	75V	А	280
	110V	Α	280
	220V	А	250
	330V	Α	200
	460V	А	
IEC max current le in DC3-DC5 with $L/R \le 15$ ms with 4 poles in series			
	75V	А	280
	110V	A	280
	220V	A	280
	330V	A	200
	460V	A	200
Short-time allowable current for 10s (IEC/EN60947-1)	400 v	 A	2200
		A	2200
Protection fuse			100
	gG (IEC)	A	400
	aM (IEC)	A	250
Making capacity (RMS value)		А	2750
Breaking capacity at voltage			
	440V	А	2500
	500V	Α	2250
	690V	Α	2200
Resistance per pole (average value)		mΩ	0.2
Power dissipation per pole (average value)			
	lth	W	24.5
	AC3	W	12.5
Tightening torque for terminals			
	min	Nm	35
	max	Nm	35
	min	Ibin	25.8
		Ibin	25.8
Tightoning torque for poil terminal	max	חוטו	20.0
Tightening torque for coil terminal		<b>N</b> 1 -	4
	min	Nm	1
	max	Nm	1
	min	Ibin	0.74
	max	lbin	0.74
Max number of wires simultaneously connectable		Nr.	2
Conductor section			
AWG/Kcmil			500 kcmil
AWG/KCMI	max		
Power terminal protection according to IEC/EN 60529	max		IP00



**11B25040024** FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 350A, AC/DC COIL, 24VAC/DC

Operating position

Operating position	normal allowable		Vertical plan ±30°
Fixing			Screw
Weight		g	1137
Conductor section			
AWG/kcmil conductor section			
	max		500 kcmil
Operations			
Mechanical life		cycles	1000000
Electrical life		cycles	1000000
Safety related data			
Performance level B10d according to EN/ISO 13489-1		_	
	rated load	cycles	1000000
	mechanical load	cycles	1000000
Mirror contats according to IEC/EN 609474-4-1			yes
EMC compatibility			yes
AC coil operating		11	24
Rated AC voltage at 50/60Hz		V	24
AC operating voltage			
of 50/60Hz coil powered at 50Hz			
pick-up	min	%Us	80
	max	%Us	110
drop-out	Пах	/003	110
	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
	max	%Us	110
drop-out			
	min	%Us	20
10.000	max	%Us	60
AC average coil consumption at 20°C			
of 50/60Hz coil powered at 50Hz	ام بر ما	\/A	200
	in-rush	VA VA	300 10
of 50/60Hz coil powered at 60Hz	holding	VA	10
	in-rush	VA	300
	holding	VA VA	300 10
Dissipation at holding ≤20°C 50Hz	noiuiry	 	10
Dissipation at holding S20 C 30 12		vv	
DC rated control voltage		V	24
DC operating voltage		v	<b>∠</b> ⊤

pick-up

ENERGY AND AUTOMATION

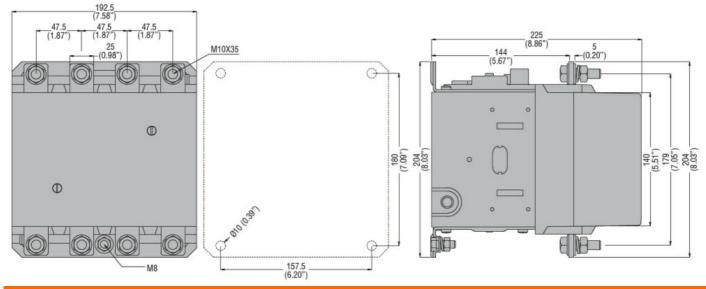
**11B25040024** FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 350A, AC/DC COIL, 24VAC/DC

				0/11-	
			min max	%Us %Us	80 110
	drop-out		IIIdx	/003	110
			min	%Us	20
			max	%Us	60
Average coil consump	tion ≤20°C				
			in-rush holding	W W	300 10
Max cycles frequency			Tolding	vv	10
Mechanical operation				cycles/h	2400
Operating times					
Average time for Us co					
	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	max	me	120
		1 0	min	ms	30
			max	ms	75
UL technical data					
Full-load current (FLA)	for three-phase AC mot	or	- ( 400) /		0.40
			at 480V at 600V	A A	240 242
Yielded mechanical pe	rformance		at 000 v	Α	242
	for three-phase AC mo	otor			
			200/208V	HP	75
			220/230V	HP	100
			575/600V	HP	250
General USE	0				
	Contactor			^	250
Short-circuit protection			AC current	A	350
Short-circuit protection	Standard fault				
			Short circuit current	kA	18
			Fuse rating	A	800
			Fuse class		L
Ambient conditions					
Temperature					
	Operating temperature		. •	•	50
			min max	°C ℃	-50 70
	Storage temperature		IIIdX	0	10
			min	°C	-60
			max	°Č	80
Max altitude				m	3000
Resistance & Protectic	on				
Pollution degree					3

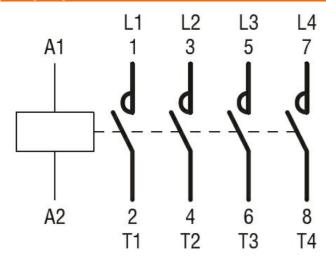
11B25040024The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and<br/>functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding



Dimensions [mm (in)]



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		
	000	
	cULus	
	EAC	
ETIM classification		
ETIM 8.0		EC000066 - Power contactor, AC switching





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			05
	min	Hz	25
	max	Hz	400
IEC Conventional free air thermal current Ith		A	350
Operational current le		•	050
	AC-1 (≤40°C)	A	350
	AC-1 (≤55°C)	A	300
	AC-1 (≤70°C)	A	250
	AC-3 (≤440V ≤55°C)	A	265
	AC-4 (400V)	A	115
Rated operational power AC-1 (T≤40°C)	0001/		404
	230V	kW	124
	400V	kW	214
	500V	kW	282
	690V	kW	380
IEC max current le in DC1 with $L/R \le 1$ ms with 1 poles in series			050
	75V	A	350
	110V	A	160
	220V	A	
	330V	A	
	460V	A	
IEC max current le in DC1 with $L/R \le 1$ ms with 2 poles in series	751/	•	050
	75V	A	350
	110V	A	300
	220V 330V	A	250
	460V	A A	
ICC may assume the in $DC1$ with $L/D < 1$ may with 2 males in series	400 V	A	
IEC max current le in DC1 with $L/R \le 1$ ms with 3 poles in series	751/	٨	250
	75V	A	350
	110V 220V	A	300
	220V 330V	A	300 250
	330V 460V	A	250
IFC may current to in DC1 with L/P < 1 may with 4 palas in series	400 V	A	
IEC max current le in DC1 with $L/R \le 1$ ms with 4 poles in series	751	۸	250
	75V 110V	A	350
		A	300
	220V	A	300
	330V	A	300 250
	460V	A	250



IEC max current le in DC3-DC5 with L/R ≤ 15ms with 1 poles in series			
The max current le in DG3-DG3 with $L/R \ge 15$ ms with 1 poles in series	75V	А	280
	110V	A	150
	220V	A	
	330V	A	
	460V	A	
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 2 poles in series			
	75V	А	280
	110V	A	250
	220V	A	200
	330V	A	
	460V	А	
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series			
· ·	75V	А	280
	110V	A	280
	220V	А	250
	330V	А	200
	460V	А	
IEC max current le in DC3-DC5 with $L/R \le 15$ ms with 4 poles in series			
	75V	А	280
	110V	А	280
	220V	А	280
	330V	А	200
	460V	А	200
Short-time allowable current for 10s (IEC/EN60947-1)		А	2200
Protection fuse			
	gG (IEC)	А	400
	aM (IEC)	Α	250
Making capacity (RMS value)		Α	2750
Breaking capacity at voltage			
	440V	А	2500
	500V	А	2250
	690V	A	2200
Resistance per pole (average value)		mΩ	0.2
Power dissipation per pole (average value)			
	lth	W	24.5
	AC3	W	12.5
Tightening torque for terminals			
	min	Nm	35
	max	Nm	35
	min	Ibin	25.8
	max	lbin	25.8
Tightening torque for coil terminal			
	min	Nm	1
	max	Nm	1
	min	lbin	0.74
	max	Ibin	0.74
Max number of wires simultaneously connectable		Nr.	2
Conductor section			
AWG/Kcmil			
	max		500 kcmil
Power terminal protection according to IEC/EN 60529			IP00
Mechanical features			



**11B25040048** FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 350A, AC/DC COIL, 48VAC/DC

Operating position

Operating position		normal allowable		Vertical plan ±30°
Fixing				Screw
Weight			g	1080
Conductor section				
	AWG/kcmil conductor section			
		max		500 kcmil
Operations				
Mechanical life			cycles	1000000
Electrical life			cycles	1000000
Safety related data				
Performance level B10	d according to EN/ISO 13489-1			
		rated load	cycles	1000000
		mechanical load	cycles	1000000
Mirror contats accordin	ng to IEC/EN 609474-4-1			yes
EMC compatibility				yes
AC coil operating				
Rated AC voltage at 50	)/60Hz		V	48
AC operating voltage				
	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		0/11-	<u></u>
		min	%Us	20
		max	%Us	60
	of 60Hz coil powered at 60Hz			
	pick-up		0/110	80
		min	%Us %Us	80 110
	drop-out	max	7005	110
		min	%Us	20
		max	%Us	60
AC average coil consu	motion at 20°C	IIIdX	/003	50
AC average coll collsu	of 50/60Hz coil powered at 50Hz			
		in-rush	VA	300
		holding	VA VA	10
	of 50/60Hz coil powered at 60Hz	noiding	٧A	
		in-rush	VA	300
		holding	VA VA	10
Dissipation at holding ≤	20°C 50Hz	noiding	W	10
DC coil operating			vV	
DC rated control voltag			V	48
DC operating voltage			v	τu
or operating voltage				

pick-up

ENERGY AND AUTOMATION

**11B25040048** FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 350A, AC/DC COIL, 48VAC/DC

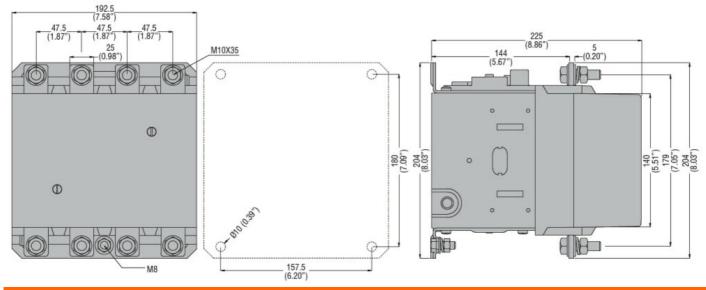
			min	%Us	80
			max	%Us	110
	drop-out				
			min	%Us	20
Average seil sonsumn	tion <20°C		max	%Us	60
Average coil consump	$Such \leq 20$ C		in-rush	W	300
			holding	Ŵ	10
Max cycles frequency			J		
Mechanical operation				cycles/h	2400
Operating times	optrol				
Average time for Us co	in AC				
		Closing NO			
		5 5 5	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	max	me	120
		1 0	min	ms	30
			max	ms	75
UL technical data					
Full-load current (FLA)	) for three-phase AC mot	or		_	
			at 480V	A	240
Yielded mechanical pe	orformanaa		at 600V	A	242
neided mechanical pe	for three-phase AC mo	otor			
	Ior three-phase Ao mo		200/208V	HP	75
			220/230V	HP	100
			575/600V	HP	250
General USE					
	Contactor				
			AC current	A	350
Short-circuit protectior					
	Standard fault		Ob east always it is a set of	١. ٨	10
			Short circuit current Fuse rating	kA A	18 800
			Fuse class	A	800 L
Ambient conditions					-
Temperature					
	Operating temperature	•			
			min	°C	-50
			max	°C	70
	Storage temperature				
	Storage temperature		min	°C	-60
	Storage temperature		min max	°C	80
Max altitude					
Max altitude Resistance & Protectio Pollution degree				°C	80

11B25040048

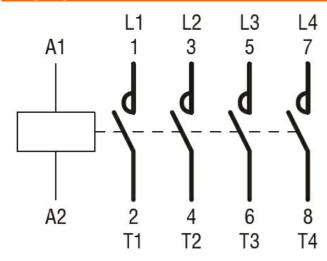
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Dimensions [mm (in)]



Wiring diagrams



### Certifications and compliance

Compliance		
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	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





Product designation			Power contactor B250
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			•
	min	Hz	25
	max	Hz	400
IEC Conventional free air thermal current Ith		Α	350
Operational current le			
	AC-1 (≤40°C)	А	350
	AC-1 (≤55°C)	А	300
	AC-1 (≤70°C)	А	250
	AC-3 (≤440V ≤55°C)	А	265
	AC-4 (400V)	А	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 $L/R \le 1$ ms with 1 poles in series			
	75V	А	350
	110V	А	160
	220V	А	
	330V	А	
	460V	A	
IEC max current le in DC1 with $L/R \le 1$ ms with 2 poles in series			
	75V	A	350
	110V	A	300
	220V	A	250
	330V	A	
IFO ment a summer the in DO4 with L/D < America with 0 meteories	460V	A	
IEC max current le in DC1 with $L/R \le 1$ ms with 3 poles in series	75)/	۸	050
	75V	A	350
	110V 220V	A	300 300
	220V 330V	A A	250
	460V	A	
IEC max current le in DC1 with $L/R \le 1$ ms with 4 poles in series	400 V	~	
	75V	А	350
	110V	A	300
	220V	A	300
	330V	A	300
	460V	A	250
	400 V	Л	200



IEC max current le in DC3-DC5 with L/R $\leq$ 15ms with 1 poles in series			
	75V	А	280
	110V	A	150
	220V	A	
	330V	A	
	460V	A	
IEC max current le in DC3-DC5 with L/R $\leq$ 15ms with 2 poles in series			
	75V	А	280
	110V	A	250
	220V	A	200
	330V	A	
	460V	A	
IEC max current le in DC3-DC5 with L/R $\leq$ 15ms with 3 poles in series	1001		
	75V	А	280
	110V	A	280
	220V	A	250
	330V	A	200
	460V	A	
IEC max current le in DC3-DC5 with L/R $\leq$ 15ms with 4 poles in series	400 v	~	
	75V	А	280
	110V	A	280
	220V	A	280
	330V	A	200
	460V	A	200
Short-time allowable current for 10s (IEC/EN60947-1)	400 0	A	2200
Protection fuse			2200
	gG (IEC)	А	400
	aM (IEC)	A	250
Making capacity (RMS value)		A	2750
Breaking capacity at voltage			2100
Droaking capacity at rollage	440V	А	2500
	500V	A	2250
	690V	A	2200
Resistance per pole (average value)	0001	mΩ	0.2
Power dissipation per pole (average value)			0.2
	lth	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	max		
	min	Nm	1
	max	Nm	1
	min	Ibin	0.74
	max	Ibin	0.74
Max number of wires simultaneously connectable	max	Nr.	2
Conductor section			_
AWG/Kcmil			
	max		500 kcmil
Power terminal protection according to IEC/EN 60529	max		IP00
Mechanical features			



**11B25040060** FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 350A, AC/DC COIL, 60VAC/DC

Operating position

Operating position		normal allowable		Vertical plan ±30°
Fixing				Screw
Weight			g	1080
Conductor section				
	AWG/kcmil conductor section			
		max		500 kcmil
Operations				
Mechanical life			cycles	1000000
Electrical life			cycles	1000000
Safety related data				
Performance level B1	0d according to EN/ISO 13489-1			
		rated load	cycles	1000000
		mechanical load	cycles	1000000
	ng to IEC/EN 609474-4-1			yes
EMC compatibility				yes
AC coil operating	0/0011			
Rated AC voltage at 5	U/6UHZ		V	60
AC operating voltage				
	of 50/60Hz coil powered at 50Hz			
	pick-up		0/11-	
		min	%Us	80
	drop out	max	%Us	110
	drop-out	min	%Us	20
		max	%Us	60
	of 50/60Hz coil powered at 60Hz	Шах	/003	00
	pick-up			
	ριοκιάρ	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	Imption at 20°C			
	of 50/60Hz coil powered at 50Hz			
		in-rush	VA	300
		holding	VA	10
	of 50/60Hz coil powered at 60Hz			
		in-rush	VA	300
		holding	VA	10
Dissipation at holding	≤20°C 50Hz		W	10
DC coil operating				
DC rated control voltage	ge		V	60
DC operating voltage				

pick-up

ENERGY AND AUTOMATION

**11B25040060** FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 350A, AC/DC COIL, 60VAC/DC

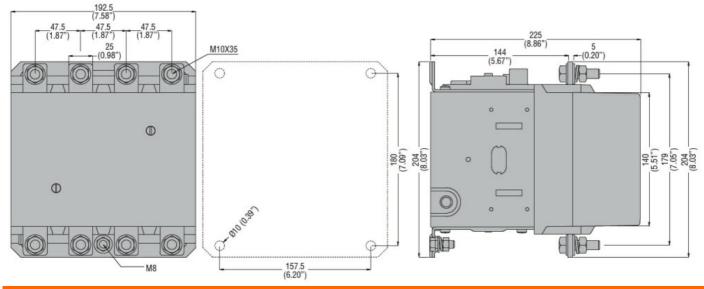
			min	%Us	80
			max	%Us	110
	drop-out		min	9/ L lo	20
			min max	%Us %Us	20 60
Average coil consump	ption ≤20°C				
			in-rush	W	300
Max cycles frequency	,		holding	W	10
Max cycles frequency Mechanical operation				cycles/h	2400
Operating times					
Average time for Us c					
	in AC				
		Closing NO	min	ms	80
			max	ms	120
		Opening NO			
			min	ms	30
	in DO		max	ms	75
	in DC	Closing NO			
			min	ms	80
			max	ms	120
		Opening NO			
			min max	ms ms	30 75
Full-load current (FLA	<ul> <li>for three-phase AC mot</li> </ul>	or	at 480V	A	240
		or	at 480V at 600V	A A	240 242
Full-load current (FLA Yielded mechanical p					
	erformance		at 600V 200/208V	A HP	75
	erformance		at 600V 200/208V 220/230V	A HP HP	242 75 100
Yielded mechanical p	erformance		at 600V 200/208V	A HP	75
	erformance for three-phase AC mo		at 600V 200/208V 220/230V	A HP HP	242 75 100
Yielded mechanical p	erformance		at 600V 200/208V 220/230V	A HP HP	242 75 100
Yielded mechanical p	erformance for three-phase AC mo Contactor n fuse, 600V		at 600V 200/208V 220/230V 575/600V	A HP HP HP	242 75 100 250
Yielded mechanical p	erformance for three-phase AC mo Contactor		at 600V 200/208V 220/230V 575/600V AC current	A HP HP HP	242 75 100 250 350
Yielded mechanical p	erformance for three-phase AC mo Contactor n fuse, 600V		at 600V 200/208V 220/230V 575/600V AC current	A HP HP A A	242 75 100 250 350 18
Yielded mechanical p	erformance for three-phase AC mo Contactor n fuse, 600V		at 600V 200/208V 220/230V 575/600V AC current Short circuit current Fuse rating	A HP HP HP	242 75 100 250 350 18 800
Yielded mechanical p	erformance for three-phase AC mo Contactor n fuse, 600V		at 600V 200/208V 220/230V 575/600V AC current	A HP HP A A	242 75 100 250 350 18
Yielded mechanical pr General USE	erformance for three-phase AC mo Contactor n fuse, 600V		at 600V 200/208V 220/230V 575/600V AC current Short circuit current Fuse rating	A HP HP A A	242 75 100 250 350 18 800
Yielded mechanical pr General USE Short-circuit protection	erformance for three-phase AC mo Contactor n fuse, 600V	otor	at 600V 200/208V 220/230V 575/600V AC current Short circuit current Fuse rating	A HP HP A A kA A	242 75 100 250 350 18 800 L
Yielded mechanical pr General USE Short-circuit protection	erformance for three-phase AC mo Contactor n fuse, 600V Standard fault	otor	at 600V 200/208V 220/230V 575/600V AC current Fuse rating Fuse class min	A HP HP A A kA A	242 75 100 250 350 18 800 L
Yielded mechanical pr General USE Short-circuit protection	erformance for three-phase AC mo Contactor n fuse, 600V Standard fault	otor	at 600V 200/208V 220/230V 575/600V AC current Fuse rating Fuse class	A HP HP A A kA A	242 75 100 250 350 18 800 L
Yielded mechanical pr General USE Short-circuit protection	erformance for three-phase AC mo Contactor n fuse, 600V Standard fault	otor	at 600V 200/208V 220/230V 575/600V AC current Fuse rating Fuse class min max	A HP HP A A kA A	242 75 100 250 350 18 800 L -50 70
Yielded mechanical pr General USE Short-circuit protection	erformance for three-phase AC mo Contactor n fuse, 600V Standard fault	otor	at 600V 200/208V 220/230V 575/600V AC current Fuse rating Fuse class min max	A HP HP A A kA A °C °C °C	242 75 100 250 350 18 800 L -50 70 -60
Yielded mechanical pr General USE Short-circuit protection	erformance for three-phase AC mo Contactor n fuse, 600V Standard fault	otor	at 600V 200/208V 220/230V 575/600V AC current Fuse rating Fuse class min max	A HP HP A A kA A	242 75 100 250 350 18 800 L -50 70
Yielded mechanical program of the second sec	erformance for three-phase AC mo Contactor n fuse, 600V Standard fault Operating temperature Storage temperature	otor	at 600V 200/208V 220/230V 575/600V AC current Fuse rating Fuse class min max	A HP HP A A kA A A °C °C °C	242 75 100 250 350 18 800 L -50 70 -60 80

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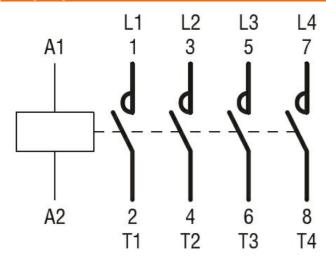
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Dimensions [mm (in)]



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





Product designation Product type designation			Power contactor B250
Contact characteristics			B230
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		А	350
Operational current le			
	AC-1 (≤40°C)	А	350
	AC-1 (≤55°C)	А	300
	AC-1 (≤70°C)	А	250
	AC-3 (≤440V ≤55°C)	А	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 $L/R \le 1$ ms with 1 poles in series			
	75V	А	350
	110V	А	160
	220V	А	
	330V	А	
	460V	A	
IEC max current le in DC1 with $L/R \le 1$ ms with 2 poles in series			
	75V	А	350
	110V	А	300
	220V	A	250
	330V	A	
	460V	A	
IEC max current le in DC1 with $L/R \le 1$ ms with 3 poles in series			
	75V	A	350
	110V	A	300
	220V	A	300
	330V	A	250
	460V	A	
IEC max current le in DC1 with $L/R \le 1$ ms with 4 poles in series		_	
	75V	A	350
	110V	A	300
	220V	A	300
	330V	A	300
	460V	A	250



IEC max current le in DC3-DC5 with L/R ≤ 15ms with 1 poles in series			
The max current le in Deb-Deb with Lift a Toms with T poles in series	75V	А	280
	110V	A	150
	220V	A	
	330V	A	
	460V	А	
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 2 poles in series			
	75V	А	280
	110V	А	250
	220V	А	200
	330V	А	
	460V	Α	
IEC max current le in DC3-DC5 with L/R $\leq$ 15ms with 3 poles in series			
	75V	А	280
	110V	А	280
	220V	А	250
	330V	А	200
	460V	A	
IEC max current le in DC3-DC5 with L/R $\leq$ 15ms with 4 poles in series			
	75V	A	280
	110V	A	280
	220V	A	280
	330V	A	200
	460V	<u>A</u>	200
Short-time allowable current for 10s (IEC/EN60947-1)		A	2200
Protection fuse		•	100
	gG (IEC)	A	400
	aM (IEC)	A	250
Making capacity (RMS value)		A	2750
Breaking capacity at voltage	4.40\/	۸	0500
	440V	A	2500
	500V 690V	A	2250
Resistance per pole (average value)	6907	A mΩ	2200 0.2
Power dissipation per pole (average value)		11152	0.2
rower dissipation per pole (average value)	lth	W	24.5
	AC3	W	12.5
Tightening torque for terminals	A03	vv	12.0
rightening torque for terminals	min	Nm	35
	max	Nm	35
	min	Ibin	25.8
	max	Ibin	25.8
Tightening torque for coil terminal	max		
	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			
	max		500 kcmil
Power terminal protection according to IEC/EN 60529			IP00
Mechanical features			



**11B250400110** FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 350A, AC/DC COIL, 110...125VAC/DC

Operating position

	normal allowable		Vertical plan ±30°
Fixing			Screw
Neight		g	1123
Conductor section			
AWG/kcmil conductor section			
	max		500 kcmil
Operations			
Mechanical life		cycles	1000000
Electrical life		cycles	1000000
Safety related data			
Performance level B10d according to EN/ISO 13489-1			
	rated load	cycles	1000000
	mechanical load	cycles	1000000
Mirror contats according to IEC/EN 609474-4-1			yes
EMC compatibility			yes
AC coil operating			
Rated AC voltage at 50/60Hz, 60Hz			
	min	V	110
	max	V	125
AC operating voltage			
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
	max	%Us	110
drop-out			
	min	%Us	20
	max	%Us	60
AC average coil consumption at 20°C			
of 50/60Hz coil powered at 50Hz			
	in-rush	VA	300
	holding	VA	10
of 50/60Hz coil powered at 60Hz			
	in-rush	VA	300
Dissipation at holding ≤20°C 50Hz	holding	VA W	10 10

DC rated control voltage



11B250400110 FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 350A, AC/DC COIL,

110...125VAC/DC

			min	V	110
			max	V	125
DC operating voltage				•	
De operating voltage	nick un				
	pick-up			0/11-	0.0
			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				
Average time for 05 cc	in AC				
		Closing NO	*		90
			min	ms	80
		<b>a</b> a	max	ms	120
		Opening NO			
			min	ms	30
			max	ms	75
	in DC				
		Closing NO			
			min	ms	80
			max	ms	120
		Opening NO			
		1 5	min	ms	30
			max	ms	75
UL technical data			mon	1110	10
Full-load current (FLA)	for three-phase AC	motor			
			at 480V	А	240
			at 600V	A	242
Yielded mechanical pe					
	for three-phase AC	motor			
			200/208V	HP	75
			220/230V	HP	100
			575/600V	HP	250
General USE					
	Contactor				
			AC current	А	350
Short-circuit protection	n fuse, 600V				
Freedom Protocolo	Standard fault				
			Short circuit current	kA	18
			Fuse rating	A	800
			Fuse class	Λ	
Ambiant conditions					L
Ambient conditions					
Temperature					
	Operating tempera	ture			
			min	°C	-50
			max	°C	70
	Storage temperatu	re			
			min	°C	-60

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

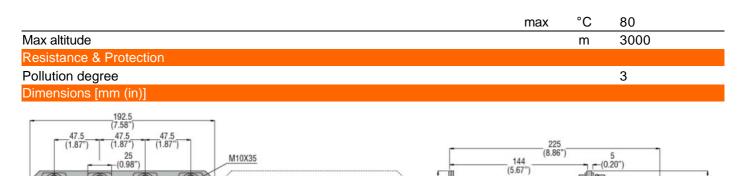
110...125VAC/DC

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140 (5.51") 179 (7.05") 204 (8.03")



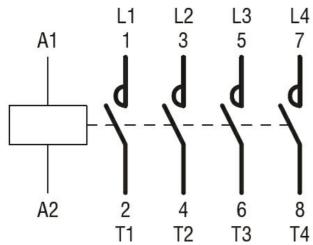
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180 (7.09") 204 (8.03")

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(6.20")

### Certifications and compliance

ETIM 8.0		Power contactor AC switching
		EC000066 -
ETIM classification		
	EAC	
	cULus	
	CCC	
Certificates		
	UL 60947-4-1	
	UL 60947-1	
	IEC/EN 60947-4-1	
	IEC/EN 60947-1	
	CSA C22.2 n° 60947-4-1	
-	CSA C22.2 n° 60947-1	
Compliance		

ENERGY AND AUTOMATION

**11B250400110** FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 350A, AC/DC COIL, 110...125VAC/DC





Product designation Product type designation			Power contactor B250
Contact characteristics			D230
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		А	350
Operational current le			
•	AC-1 (≤40°C)	А	350
	AC-1 (≤55°C)	А	300
	AC-1 (≤70°C)	А	250
	AC-3 (≤440V ≤55°C)	А	265
	AC-4 (400V)	А	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 $L/R \le 1$ ms with 1 poles in series			
	75V	А	350
	110V	А	160
	220V	А	
	330V	А	
	460V	Α	
IEC max current le in DC1 with $L/R \le 1$ ms with 2 poles in series			
	75V	А	350
	110V	А	300
	220V	А	250
	330V	А	
	460V	A	
IEC max current le in DC1 with $L/R \le 1$ ms with 3 poles in series			
	75V	А	350
	110V	A	300
	220V	A	300
	330V	A	250
	460V	A	
IEC max current le in DC1 with $L/R \le 1$ ms with 4 poles in series		_	
	75V	A	350
	110V	A	300
	220V	A	300
	330V	A	300
	460V	А	250



IEC max current le in DC3-DC5 with L/R ≤ 15ms with 1 poles in series			
The max current le in Des-Des with E/1( = 15ms with 1 poles in series	75V	А	280
	110V	A	150
	220V	A	
	330V	A	
	460V	A	
IEC max current le in DC3-DC5 with L/R $\leq$ 15ms with 2 poles in series			
	75V	А	280
	110V	A	250
	220V	A	200
	330V	A	
	460V	A	
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series			
	75V	А	280
	110V	A	280
	220V	A	250
	330V	A	200
	460V	A	
IEC max current le in DC3-DC5 with $L/R \le 15$ ms with 4 poles in series			
	75V	А	280
	110V	A	280
	220V	A	280
	330V	A	200
	460V	A	200
Short-time allowable current for 10s (IEC/EN60947-1)		A	2200
Protection fuse			
	gG (IEC)	А	400
	aM (IEC)	A	250
Making capacity (RMS value)	(	A	2750
Breaking capacity at voltage			
5 1 9 5	440V	А	2500
	500V	А	2250
	690V	А	2200
Resistance per pole (average value)		mΩ	0.2
Power dissipation per pole (average value)			
	lth	W	24.5
	AC3	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			
	max		500 kcmil
Power terminal protection according to IEC/EN 60529			IP00
Mechanical features			



**11B250400220** FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 350A, AC/DC COIL, 220...240VAC/DC

Operating position

Operating position	normal allowable		Vertical plan ±30°
Fixing			Screw
Weight		g	1112
Conductor section			
AWG/kcmil conductor section			
	max		500 kcmil
Dperations			
Mechanical life		cycles	1000000
Electrical life		cycles	1000000
Safety related data			
Performance level B10d according to EN/ISO 13489-1			
	rated load	cycles	1000000
	mechanical load	cycles	1000000
Iirror contats according to IEC/EN 609474-4-1			yes
EMC compatibility			yes
AC coil operating			
Rated AC voltage at 50/60Hz, 60Hz			
	min	V	220
	max	V	240
AC operating voltage			
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
	max	%Us	110
drop-out			
	min	%Us	20
	max	%Us	60
AC average coil consumption at 20°C			
of 50/60Hz coil powered at 50Hz			
,	in-rush	VA	300
	holding	VA	10
of 50/60Hz coil powered at 60Hz		-	
	in-rush	VA	300
	holding	VA	10
Dissipation at holding ≤20°C 50Hz	lioiding	W	10
C coil operating		v V	

DC rated control voltage



11B250400220 FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 350A, AC/DC COIL,

220...240VAC/DC

			min	V	220
			max	V	240
DC operating voltage					
	pick-up				
			min	%Us	80
			max	%Us	110
	drop-out				
			min	%Us	20
			max	%Us	60
Average coil consump	tion ≤20°C				
5 1			in-rush	W	300
			holding	W	10
Max cycles frequency					-
Mechanical operation				cycles/h	2400
Operating times				0,0100,11	2.00
Average time for Us co	ontrol				
	in AC				
		Closing NO			
		5.55mg 1.0	min	ms	80
			max	ms	120
		Opening NO	max		
		oponing No	min	ms	30
			max	ms	75
	in DC		max	ine	10
		Closing NO			
		Closing NO	min	ms	80
			max	ms	120
		Opening NO	тах	mo	120
		opening No	min	ms	30
			max	ms	75
UL technical data			Пах	me	10
	for three-phase AC mo	otor			
			at 480V	А	240
			at 600V	A	242
Yielded mechanical pe	rformance		ut 000 v		272
neided meenamed pe	for three-phase AC m	notor			
	isi anoo pilase Ao II		200/208V	HP	75
			200/200V 220/230V	HP	100
			575/600V	HP	250
General USE			010/0001		200
	Contactor				
	Jonaoloi		AC current	А	350
Short-circuit protection				Λ	000
	Standard fault				
	Janualu lault		Short circuit current	kA	18
			Fuse rating	A	800
			Fuse class	А	800 L
Ambient conditions					
Temperature					
remperature	Operating temperature				
	Operating temperatur	е		° <b>^</b>	50
			min	°C °C	-50
	Otomo en a ta sua di		max	°C	70
	Storage temperature			• •	00
			min	°C	-60

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

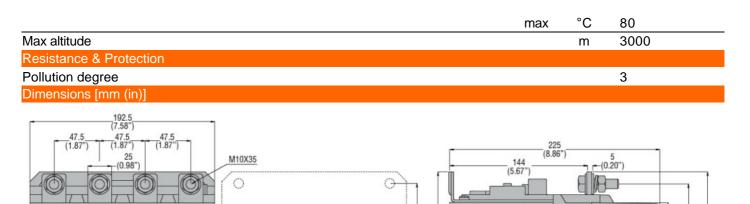
180 (7.09") 204 (8.03")

C

220...240VAC/DC

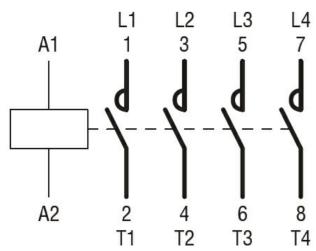
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140 (5.51") 179 (7.05") 204 (8.03")





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### 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		
		EC000066 -
ETIM 8.0		Power contactor,
		AC switching

ENERGY AND AUTOMATION

**11B250400220** FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 350A, AC/DC COIL, 220...240VAC/DC





Product designation Product type designation			Power contacto B250
Contact characteristics			B230
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		А	350
Operational current le			
	AC-1 (≤40°C)	А	350
	AC-1 (≤55°C)	А	300
	AC-1 (≤70°C)	А	250
	AC-3 (≤440V ≤55°C)	А	265
	AC-4 (400V)	А	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 $L/R \le 1$ ms with 1 poles in series			
	75V	А	350
	110V	А	160
	220V	A	
	330V	A	
	460V	A	
IEC max current le in DC1 with $L/R \le 1$ ms with 2 poles in series			
	75V	A	350
	110V	A	300
	220V	A	250
	330V	A	
	460V	A	
IEC max current le in DC1 with $L/R \le 1$ ms with 3 poles in series		-	
	75V	A	350
	110V	A	300
	220V	A	300
	330V	A	250
IFO many automatic in DO4 with 1/D < 4ma with 4 males in 1/2	460V	A	
IEC max current le in DC1 with $L/R \le 1$ ms with 4 poles in series			250
	75V	A	350
	110V	A	300
	220V	A	300
	330V	A	300
	460V	А	250



IEC max current le in DC3-DC5 with L/R ≤ 15ms with 1 poles in series			
TEC max current le in DC5-DC5 with L/K = 15ms with 1 poles in series	75V	А	280
	110V	A	150
	220V	A	
	330V	A	
	460V	A	
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 2 poles in series	1001		
	75V	А	280
	110V	A	250
	220V	A	200
	330V	A	
	460V	A	
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series			
·	75V	А	280
	110V	A	280
	220V	A	250
	330V	А	200
	460V	A	
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 4 poles in series			
,	75V	А	280
	110V	А	280
	220V	А	280
	330V	А	200
	460V	А	200
Short-time allowable current for 10s (IEC/EN60947-1)		А	2200
Protection fuse			
	gG (IEC)	А	400
	aM (IEC)	А	250
Making capacity (RMS value)		А	2750
Breaking capacity at voltage			
	440V	А	2500
	500V	А	2250
	690V	А	2200
Resistance per pole (average value)		mΩ	0.2
Power dissipation per pole (average value)			
	lth	W	24.5
	AC3	W	12.5
Tightening torque for terminals			
	min	Nm	35
	max	Nm	35
	min	lbin	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			
	max		500 kcmil
Power terminal protection according to IEC/EN 60529			IP00
Mechanical features			



**11B250400380** FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 350A, AC/DC COIL, 380...415VAC/DC

Operating position

Operating position	normal allowable		Vertical plan ±30°
Fixing			Screw
Weight		g	1114
Conductor section			
AWG/kcmil conductor section			
	max		500 kcmil
Operations			
Mechanical life		cycles	1000000
Electrical life		cycles	1000000
Safety related data			
Performance level B10d according to EN/ISO 13489-1			
	rated load	cycles	1000000
	mechanical load	cycles	1000000
Mirror contats according to IEC/EN 609474-4-1			yes
EMC compatibility			yes
AC coil operating			
Rated AC voltage at 50/60Hz, 60Hz			
	min	V	380
	max	V	415
AC operating voltage			
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	. •	0/11-	0.0
	min	%Us	80
1	max	%Us	110
drop-out		0/11-	20
	min	%Us	20
AC average soil consumption at 20%	max	%Us	60
AC average coil consumption at 20°C			
of 50/60Hz coil powered at 50Hz	• • • • •	174	200
	in-rush	VA	300
	holding	VA	10
of 50/60Hz coil powered at 60Hz	• • • • •	174	200
	in-rush	VA	300
	holding	VA	10
Dissipation at holding ≤20°C 50Hz		W	10

DC rated control voltage



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

380...415VAC/DC

			min	V	380
			max	V	415
			Шах	v	10
DC operating voltage					
	pick-up				
			min	%Us	80
			max	%Us	110
	drop-out				
			min	%Us	20
			max	%Us	60
Average coil consump	tion <20°C		max	,	
Average con consump				W	200
			in-rush		300
			holding	W	10
Max cycles frequency					
Mechanical operation				cycles/h	2400
Operating times					
Average time for Us co	ontrol				
J. J	in AC				
		Closing NO			
			min	me	80
				ms	
		o , 110	max	ms	120
		Opening NO			
			min	ms	30
			max	ms	75
	in DC				
		Closing NO			
		5	min	ms	80
			max	ms	120
			max	1113	120
		Opening NO			20
			min	ms	30
			max	ms	75
UL technical data					
Full-load current (FLA)	for three-phase AC me	otor			
			at 480V	А	240
			at 600V	А	242
Yielded mechanical pe	rformance				
,	for three-phase AC n	notor			
	ior unde-pridae AO II		200/2001/	ЦΒ	75
			200/208V	HP	75
			220/230V	HP	100
			575/600V	HP	250
General USE					
	Contactor				
			AC current	А	350
Short-circuit protection	fuse, 600V				
	Standard fault				
			Short circuit current	kA	18
				A	800
			Fuse rating	А	
A 1 1			Fuse class		L
Ambient conditions					
Temperature					
	Operating temperatur	re			
	-		min	°C	-50
			max	°Ċ	70
	Storage temperature		max	Ŭ	
	Storage temperature		min	°C	-60
			min	U	-00

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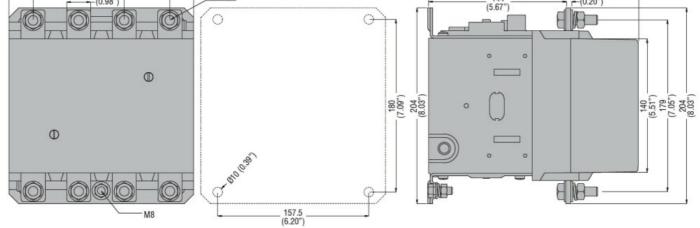


FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 350A, AC/DC COIL,

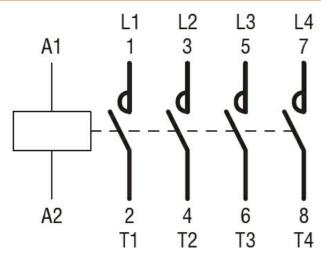
380...415VAC/DC

11B250400380





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		
		EC000066 -
ETIM 8.0		Power contactor,
		AC switching

ENERGY AND AUTOMATION

**11B250400380** FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 350A, AC/DC COIL, 380...415VAC/DC





Product designation			Power contactor B250
Product type designation Contact characteristics			B230
Number of poles		Nr.	4
Rated insulation voltage Ui IEC/EN		V	1000
Rated impulse withstand voltage Uimp		kV	8
Operational frequency		ιτν	0
	min	Hz	25
	max	Hz	400
IEC Conventional free air thermal current Ith	max	A	350
Operational current le			
	AC-1 (≤40°C)	А	350
	AC-1 (≤55°C)	A	300
	AC-1 (≤70°C)	А	250
	AC-3 (≤440V ≤55°C)	А	265
	AC-4 (400V)	А	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 $L/R \le 1$ ms with 1 poles in series			
	75V	А	350
	110V	А	160
	220V	А	
	330V	А	
	460V	Α	
IEC max current le in DC1 with $L/R \le 1$ ms with 2 poles in series			
	75V	А	350
	110V	A	300
	220V	A	250
	330V	A	
	460V	А	
IEC max current le in DC1 with $L/R \le 1$ ms with 3 poles in series			
	75V	A	350
	110V	A	300
	220V	A	300
	330V	A	250
IFC move aureant le in DC1 with L/D < 4 move with 4 moles in a miss	460V	A	
IEC max current le in DC1 with $L/R \le 1$ ms with 4 poles in series		۸	250
	75V	A	350
	110V	A	300
	220V	A	300
	330V 460V	A	300 250
	46UV	A	200



IEC max current le in DC3-DC5 with L/R ≤ 15ms with 1 poles in series			
	75V	А	280
	110V	А	150
	220V	А	
	330V	А	
	460V	А	
IEC max current le in DC3-DC5 with $L/R \le 15$ ms with 2 poles in series			
	75V	А	280
	110V	А	250
	220V	А	200
	330V	А	
	460V	А	
IEC max current le in DC3-DC5 with $L/R \le 15$ ms with 3 poles in series			
	75V	А	280
	110V	А	280
	220V	А	250
	330V	А	200
	460V	Α	
IEC max current le in DC3-DC5 with L/R $\leq$ 15ms with 4 poles in series			
	75V	А	280
	110V	А	280
	220V	А	280
	330V	А	200
	460V	Α	200
Short-time allowable current for 10s (IEC/EN60947-1)		Α	2200
Protection fuse			
	gG (IEC)	А	400
	aM (IEC)	Α	250
Making capacity (RMS value)		Α	2750
Breaking capacity at voltage			
	440V	А	2500
	500V	А	2250
	690V	А	2200
Resistance per pole (average value)		mΩ	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	lbin	25.8
	max	lbin	25.8
Tightening torque for coil terminal			
	min	Nm	1
	max	Nm	1
	min	lbin	0.74
	max	Ibin	0.74
Max number of wires simultaneously connectable		Nr.	2
Conductor section			
AWG/Kcmil			
	max		500 kcmil
Power terminal protection according to IEC/EN 60529			IP00
Mechanical features			



**11B250400440** FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 350A, AC/DC COIL, 440...480VAC/DC

Operating position

Operating position		normal allowable		Vertical plan ±30°
Fixing				Screw
Weight			g	1114
Conductor section				
AWG/kcmil c	onductor section			
		max		500 kcmil
Operations				
Mechanical life			cycles	1000000
Electrical life			cycles	1000000
Safety related data	EN/100 40400 4			
Performance level B10d according to	EN/ISO 13489-1	roto d lo o d	ovele e	100000
		rated load	cycles	1000000
Mirror contate conording to IEC/EN 6	00474 4 1	mechanical load	cycles	1000000
Mirror contats according to IEC/EN 6 EMC compatibility	09474-4-1			yes
AC coil operating				yes
Rated AC voltage at 50/60Hz, 60Hz				
		min	V	440
		max	V	415
AC operating voltage				
of 50/60Hz c	oil powered at 50Hz			
	pick-up			
		min	%Us	80
		max	%Us	110
	drop-out			
		min	%Us	20
		max	%Us	60
of 50/60Hz c	oil powered at 60Hz			
	pick-up		0/11-	
		min	%Us	80
	drop out	max	%Us	110
	drop-out	min	%Us	20
		max	%Us %Us	20 60
of 60Hz coil	powered at 60Hz	IIIdX	/003	00
	pick-up			
	Prov up	min	%Us	80
		max	%Us	110
	drop-out			
		min	%Us	20
		max	%Us	60
AC average coil consumption at 20°C	)			
of 50/60Hz c	oil powered at 50Hz			
		in-rush	VA	300
		holding	VA	10
of 50/60Hz c	oil powered at 60Hz			
		in-rush	VA	300
		holding	VA	10
Dissipation at holding ≤20°C 50Hz			W	10

DC rated control voltage



FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 350A, AC/DC COIL, 440...480VAC/DC

11B250400440

			min	V	440
			max	V	415
DC operating voltage					
	pick-up				
			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 m	otor			
			at 480V	A	240
			at 600V	A	242
Yielded mechanical pe					
	for three-phase AC n	notor			
			200/208V	HP	75
			220/230V	HP	100
			575/600V	HP	250
General USE					
	Contactor				
			AC current	A	350
Short-circuit protection					
	Standard fault				
			Short circuit current	kA	18
			Fuse rating	Α	800
			Fuse class		L
Ambient conditions					
Temperature	•				
	Operating temperatu	re			
			min	°C	-50
			max	°C	70
	Storage temperature				
			min	°C	-60

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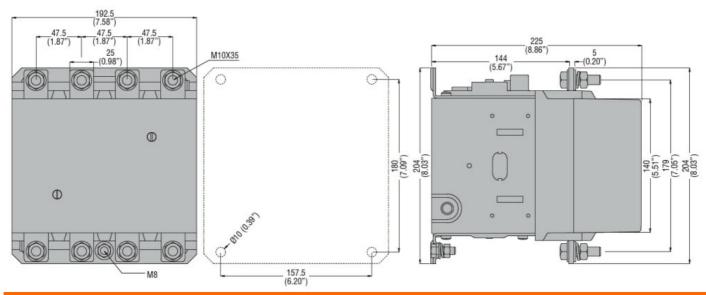
FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 350A, AC/DC COIL, 440...480VAC/DC

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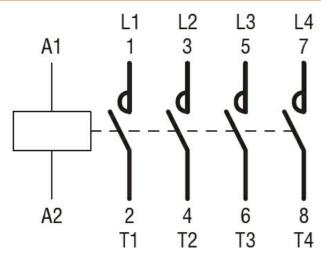
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# max°C80Max altitudem3000Resistance & Protectionm3000

Pollution degree Dimensions [mm (in)]



Wiring diagrams



# Certifications and compliance

ETIM 8.0		Power contactor, AC switching
		EC000066 -
ETIM classification		
	EAC	
	cULus	
	200	
Certificates		
	UL 60947-4-1	
	UL 60947-1	
	IEC/EN 60947-4-1	
	IEC/EN 60947-1	
	CSA C22.2 n° 60947-4-1	
	CSA C22.2 n° 60947-1	
Compliance		

11B250400440 FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 350A, AC/DC COIL, 440...480VAC/DC

