



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		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	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	75)/	٨	050
	75V	A	350
	110V 220V	A	300 300
	220V 330V	A A	250 250
	460V	A	
IEC max current le in DC1 with L/R ≤ 1ms 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

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IFC may autrent to in DC3 DC5 with 1/D < 15mg with 1 palas in action			
IEC max current le in DC3-DC5 with $L/R \le 15$ 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	1001	,,	
	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	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	A	2500
	500V	A	2250
	690V	A	2200
Resistance per pole (average value)		mΩ	0.2
Power dissipation per pole (average value)			
	lth	W	24.5
	AC-3	W	12.5
Tightening torque for terminals			
	min	Nm	35
	max	Nm	35
	min	lbin Ibin	25.8
Tinktoning torque for cell torreis -1	max	lbin	25.8
Tightening torque for coil terminal			4
	min	Nm	1
	max	Nm	1
	min	lbin Ibin	0.74
Max number of wires simultaneously connectable	max	lbin Nr	0.74
Max number of wires simultaneously connectable		Nr.	2
Conductor section			
AWG/Kcmil			500 km ''
	max		500 kcmil
AWG/Kcmil Power terminal protection according to IEC/EN 60529 Mechanical features	max		500 kcmil IP00
AWG/Kcmil			

11B25040048



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

Operating position

	normal		Vertical plan
	normal allowable		Vertical plan ±30°
Fixing	allowable		Screw
Weight		g	1080
Conductor section		9	1000
AWG/kcmil conductor section			
	max		500 kcmil
Operations	max		
Mechanical life		cycles	10000000
Electrical life		cycles	1000000
Safety related data		0)0.00	
Performance level B10d according to EN/ISO 13489-1			
<b>3</b>	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		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	
	min	%Us	20
	max	%Us	60
of 60Hz coil powered at 60Hz			
pick-up		0/11-	<u>م</u>
	min	%Us %Us	80 110
drop out	max	%US	110
drop-out	min	%Us	20
	max	%Us %Us	20 60
AC average coil consumption at 20°C	Παλ	/003	00
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
		W	10
 Dissipation at holding ≤20°C 50Hz		vv	
Dissipation at holding ≤20°C 50Hz DC coil operating		VV	
Dissipation at holding ≤20°C 50Hz DC coil operating DC rated control voltage		V	48

pick-up

ENERGY AND AUTOMATION

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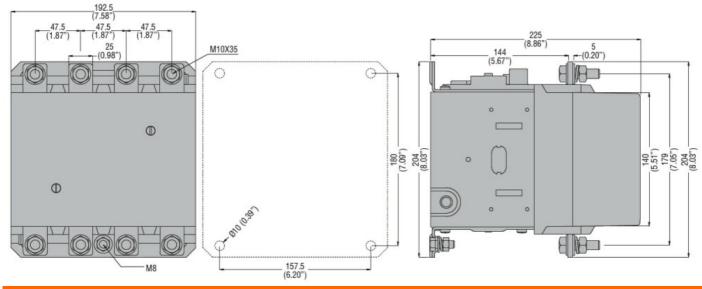
			min	%Us	80
			max	%Us	110
	drop-out				
			min	%Us	20
	ntion <20°C		max	%Us	60
Average coil consum	$ption \leq 20^{\circ}C$		in-rush	W	300
			holding	Ŵ	10
Max cycles frequency	/		g		
Mechanical operation				cycles/h	2400
Operating times					
Average time for Us o	in AC				
	III AC	Closing NO			
			min	ms	80
			max	ms	120
		Opening NO			
			min	ms	30
			max	ms	75
	in DC	<b>0</b>			
		Closing NO			0.0
			min	ms	80
		Opening NO	max	ms	120
		Opening NO	min	ms	30
			max	ms	75
UL technical data					
Full-load current (FLA	A) for three-phase AC mo	otor			
			at 480V	А	240
			at 600V	А	242
Yielded mechanical p	erformance				
	for three-phase AC m	otor	000/0001/		75
		otor	200/208V	HP	75
		otor	220/230V	HP	100
General USF		otor			
General USE	for three-phase AC m	otor	220/230V	HP	100
General USE		otor	220/230V	HP	100
General USE Short-circuit protectio	for three-phase AC m Contactor	otor	220/230V 575/600V	HP HP	100 250
	for three-phase AC m Contactor	otor	220/230V 575/600V	HP HP	100 250
	for three-phase AC m Contactor on fuse, 600V	otor	220/230V 575/600V AC current Short circuit current	HP HP	100 250 350 18
	for three-phase AC m Contactor on fuse, 600V	otor	220/230V 575/600V AC current Short circuit current Fuse rating	HP HP A	100 250 350 18 800
Short-circuit protectio	for three-phase AC m Contactor on fuse, 600V	otor	220/230V 575/600V AC current Short circuit current	HP HP A	100 250 350 18
Short-circuit protectio Ambient conditions	for three-phase AC m Contactor on fuse, 600V	otor	220/230V 575/600V AC current Short circuit current Fuse rating	HP HP A	100 250 350 18 800
Short-circuit protectio	for three-phase AC m Contactor on fuse, 600V Standard fault		220/230V 575/600V AC current Short circuit current Fuse rating	HP HP A	100 250 350 18 800
Short-circuit protectio Ambient conditions	for three-phase AC m Contactor on fuse, 600V		220/230V 575/600V AC current Short circuit current Fuse rating Fuse class	HP HP A kA A	100 250 350 18 800 L
Short-circuit protectio Ambient conditions	for three-phase AC m Contactor on fuse, 600V Standard fault		220/230V 575/600V AC current Short circuit current Fuse rating Fuse class min	HP HP A kA A	100 250 350 18 800 L -50
Short-circuit protectio Ambient conditions	for three-phase AC m Contactor on fuse, 600V Standard fault		220/230V 575/600V AC current Short circuit current Fuse rating Fuse class	HP HP A kA A	100 250 350 18 800 L
Short-circuit protectio Ambient conditions	for three-phase AC m Contactor on fuse, 600V Standard fault		220/230V 575/600V AC current Short circuit current Fuse rating Fuse class min max	HP HP A kA A °C °C	100 250 350 18 800 L -50 70
Short-circuit protectio Ambient conditions	for three-phase AC m Contactor on fuse, 600V Standard fault		220/230V 575/600V AC current Short circuit current Fuse rating Fuse class min	HP HP A kA A	100 250 350 18 800 L -50
Short-circuit protectio Ambient conditions	for three-phase AC m Contactor on fuse, 600V Standard fault		220/230V 575/600V AC current Short circuit current Fuse rating Fuse class min max	HP HP A kA A °C °C °C	100 250 350 18 800 L -50 70 -60
Short-circuit protectio Ambient conditions Temperature	for three-phase AC m Contactor on fuse, 600V Standard fault Operating temperature Storage temperature		220/230V 575/600V AC current Short circuit current Fuse rating Fuse class min max	HP HP A kA A °C °C °C °C	100 250 350 18 800 L -50 70 -60 80

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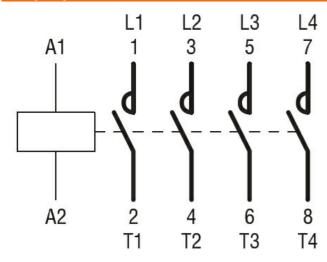
The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding



## 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