



Product designation			Power contactor
Product type designation			B250
Contact characteristics			-
Number of poles		Nr.	3
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		A	350
Operational current le			
	AC-1 (≤40°C)	A	350
	AC-1 (≤55°C)	А	300
	AC-1 (≤70°C)	А	250
	AC-3 (≤440V ≤55°C)	A	265
	AC-4 (400V)	A	115
Rated operational power AC-3 (T≤55°C)			
	400V	kW	140
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	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			
	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
	460V	A	
IEC max current le in DC1 with $L/R \le 1$ ms with 4 poles in series	_		050
	75V	A	350
	110V	A	300
	220V	А	300

11B250SL0024



	330V	А	300
	460V	А	250
EC max current le in DC3-DC5 with L/R \leq 15ms with 1 poles in series			
	75V	А	280
	110V	А	150
	220V	А	
	330V	А	
	460V	А	
EC max current le in DC3-DC5 with L/R \leq 15ms with 2 poles in series			
	75V	А	280
	110V	А	250
	220V	А	200
	330V	А	
	460V	А	
EC max current le in DC3-DC5 with L/R \leq 15ms with 3 poles in series			
'	75V	А	280
	110V	А	280
	220V	A	250
	330V	A	200
	460V	A	
EC max current le in DC3-DC5 with L/R \leq 15ms 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)	1001	A	2200
Protection fuse		7.	2200
	gG (IEC)	А	400
	aM (IEC)	A	250
Making capacity (RMS value)		A	2750
Breaking capacity at voltage		Λ	2100
Dreaking capacity at voltage	440V	А	2500
	500V	A	2250
	690V	A	2200
Posistance per polo (overago valuo)	0900		0.2
Resistance per pole (average value) Power dissipation per pole (average value)		mΩ	0.2
rower dissipation per pole (average value)	lth	147	04 E
	lth	W	24.5
	AC-3	W	12.5
Tightening torque for terminals		N	05
	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	lbin	0.74
Max number of wires simultaneously connectable		Nr.	2
Conductor section			
AWG/Kcmil			

500 kcmil

max



Power terminal protection according to IEC/EN 60529			IP00
lechanical features			
Dperating position			
	normal		Vertical plan
	allowable		±30°
Fixing			Screw
Weight		g	9730
Conductor section			
AWG/kcmil conductor section			
	max		500 kcmil
Operations			
Mechanical life		cycles	10000000
Electrical life		cycles	1000000
Safety related data		- ,	
Performance level B10d according to EN/ISO 13489-1			
3	rated load	cycles	1000000
	mechanical load	cycles	10000000
Mirror contats according to IEC/EN 609474-4-1		.,	yes
EMC compatibility			yes
AC coil operating			,
Rated AC voltage at 50/60Hz		V	24
AC operating voltage		v	21
of 50/60Hz coil powered at 50Hz			
pick-up			
pick-up	min	%Us	80
	max	%Us	110
drop-out	Шах	/003	110
	min	%Us	20
	max	%Us	60
of 50/60Hz coil powered at 60Hz	IIIdA	/003	00
pick-up			
pick-up	min	%Us	80
		%Us	110
drop-out	max	/005	110
uop-out	min	%Us	20
	min max	%Us %Us	20 60
of 60Hz and new order of 60Hz	max	/005	00
of 60Hz coil powered at 60Hz			
pick-up		%Us	80
	min		
dram and	max	%Us	110
drop-out		0/11-	20
	min	%Us	20
AC average soil concurration at 20%C	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		W	10
DC coil operating			
DC rated control voltage		V	24

11B250SL0024

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



DC operating voltage					
	pick-up			0/11	
			min	%Us	80
	duon cuit		max	%Us	110
	drop-out		[•] -	0/11-	20
			min	%Us %Us	20
A	tion <00%0		max	%Us	60
Average coil consump	$100 \leq 20^{\circ} \text{C}$		••	147	200
			in-rush	W	300
Mox ovaloo fraguesa			holding	W	10
Max cycles frequency				avalas/h	2400
Mechanical operation Operating times				cycles/h	2400
Average time for Us co	ontrol				
Average unie IOI US CC	in AC				
		Closing NO			
			min	ms	80
			max	ms	120
		Opening NO	IIIdX	1113	120
			min	ms	30
			max	ms	75
	in DC		Παλ	113	
		Closing NO			
			min	ms	80
			max	ms	120
		Opening NO	max		. 20
			min	ms	30
			max	ms	75
UL technical data					-
Full-load current (FLA)) for three-phase AC	motor			
· · · · ·			at 480V	А	240
			at 600V	А	242
Yielded mechanical pe	erformance				
	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				
-	Standard fault				
			Short circuit current	kA	18
			Fuse rating	А	800
			Fuse class		L
Ambient conditions					
Temperature					
Temperature	Operating tempera	ture			
Temperature	Operating tempera	ture	min	°C	-50
Temperature	Operating tempera	ture	min max	°C °C	-50 70
Temperature	Operating tempera			°C	
Temperature				°C °C	
Temperature Max altitude			max	°C	70

11B250SL0024

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

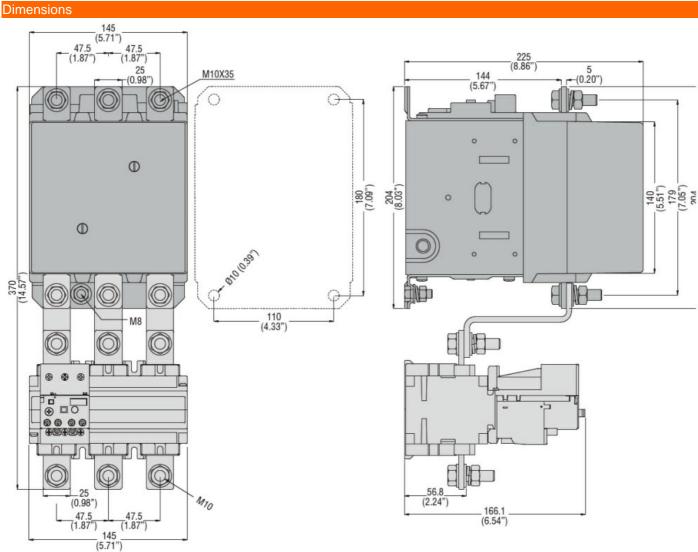


3

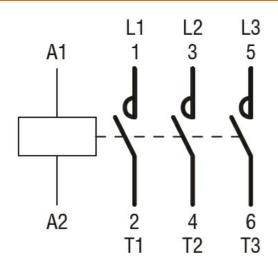
ENERGY AND AUTOMATION

Resistance & Protection

Pollution degree



Wiring diagrams



Certifications and compliance

Cor	nplia	ance

CSA	C22.2	n°	60947-1
CSA	C22.2	n°	60947-4-1

11B250SL0024



	IEC/EN 60947-1	
	IEC/EN 60947-4-1	
	UL 60947-1	
	UL 60947-4-1	
Certificates		
	CCC	
	cULus	
	EAC	
ETIM classification		
		=0.00000

ETIM 8.0

EC000066 -Power contactor, AC switching

11B250SL0024