## 11B630L00220C110



THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 630A, AC/DC COIL, electric ALREADY FITTED WITH MECHANICAL LATCH (G495), 220...240VAC/DC, MECHANICAL LATCH 110...125VDC



Product designation			Power contactor
Product type designation			B630
Contact characteristics			-
Number of poles		Nr.	3
Rated insulation voltage Ui IEC/EN		V	1000
Rated impulse withstand voltage Uimp		kV	8
Operational frequency			0.5
	min	Hz	25
	max	Hz	400
IEC Conventional free air thermal current Ith		A	800
Operational current le		٨	000
	AC-1 (≤40°C)	A	800 640
	AC-1 (≤55°C) AC-1 (≤70°C)	A A	540 540
	AC-3 (≤440V ≤55°C)	A	630
	AC-3 (3440V 355 C) AC-4 (400V)	A	260
Rated operational power AC-3 (T≤55°C)		~	200
	400V	kW	355
Rated operational power AC-1 (T≤40°C)	400 0		000
	230V	kW	288
	400V	kW	500
	500V	kW	655
	690V	kW	860
IEC max current le in DC1 with $L/R \le 1$ ms with 1 poles in series			
	75V	А	800
	110V	А	460
	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	800
	110V	А	800
	220V	A	700
	330V	A	
	460V	A	
IEC max current le in DC1 with $L/R \le 1$ ms with 3 poles in series	7614		000
	75V	A	800
	110V	A	800
	220V 330V	A A	800 700
	460V	A	
IEC max current le in DC1 with $L/R \le 1$ ms with 4 poles in series	400 V	~	
	75V	А	800
	110V	A	800
	220V	A	800
	2201	$\cap$	000



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AWG/Kcmil			
Conductor section			
Max number of wires simultaneously connectable		Nr.	2
	max	Ibin	0.74
	min	Ibin	0.74
	max	Nm	1
Fightening torque for coil terminal	min	Nm	1
Fightoning torque for coll terminal	max	Ibin	40.6
	min	Ibin	40.6
	max	Nm	55
	min	Nm	55
Fightening torque for terminals			
	AC-3	W	56
	lth	W	90
Power dissipation per pole (average value)			
Resistance per pole (average value)		mΩ	0.14
	690V	А	5000
	500V	А	5600
	440V	А	6300
Breaking capacity at voltage			
Making capacity (RMS value)	\/	A	6300
	aM (IEC)	A	630
	gG (IEC)	А	1000
Protection fuse		, (	50.0
Short-time allowable current for 10s (IEC/EN60947-1)		A	5040
	460V	A	700
	220V 330V	A	650
	220V	A A	800 800
	75V 110V	A	800
EC max current le in DC3-DC5 with $L/R \le 15$ ms with 4 poles in series	75\/	^	000
	460V	A	
	330V	A	650
	220V	A	800
	110V	А	800
	75V	А	800
EC max current le in DC3-DC5 with L/R $\leq$ 15ms with 3 poles in series			
	460V	А	
	330V	А	
	220V	A	700
	110V	A	800
	75V	А	800
EC max current le in DC3-DC5 with L/R $\leq$ 15ms with 2 poles in series	4007	7	
	460V	A	
	330V	A A	
	110V 220V	A	460
	75V	A	800
EC max current le in DC3-DC5 with L/R $\leq$ 15ms with 1 poles in series	751/	^	000
	460V	A	700
	330V	A	750

2x 600 kcmil

max



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ENERGY AND AUTOMATION

110...125VDC

	ction according to IEC/EN 60529			IP00
Mechanical features				
Operating position				
		normal		Vertical plan
		allowable		±30°
Fixing				Screw
Weight			g	1907
Conductor section				
	AWG/kcmil conductor section			
O		max		2x 600 kcmil
Operations				
Mechanical life			cycles	5000000
Electrical life			cycles	700000
Safety related data				
Performance level B	10d according to EN/ISO 13489-1			
		rated load	cycles	700000
		mechanical load	cycles	5000000
	ling to IEC/EN 609474-4-1			yes
EMC compatibility				yes
AC coil operating				
Rated AC voltage at s	50/60Hz, 60Hz		. <i>.</i>	
		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		0/11-	00
		min	%Us	20
	of 50/00 la poil new and at 00 la	max	%Us	60
	of 50/60Hz coil powered at 60Hz			
	pick-up		0/11-	00
		min	%Us	80
	A	max	%Us	110
	drop-out		0/11-	20
		min	%Us %Us	20 60
	of 60Hz coil powered at 60Hz	max	/005	00
	of 60Hz coll powered at 60Hz pick-up			
	ρισκ-αρ	min	%Us	80
		max	%Us %Us	80 110
	drop-out	IIIdX	/005	110
	diop-out	min	%Us	20
		max	%Us %Us	20 60
AC average coil cons	sumption at 20°C	IIIdX	/005	00
no average con cons	•			
	of 50/60Hz coil powered at 50Hz	in-rush	VA	400
		holding	VA	18
	of EO/COLLE and an environment of COLLE			
	of 50/60Hz coil powered at 60Hz		174	400
	of 50/60Hz coil powered at 60Hz	in-rush holding	VA VA	400 18

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DC coil operating					
DC rated control voltage	ge				
	-		min	V	220
			max	V	240
DC operating voltage					
	pick-up				
	1 - 1		min	%Us	80
			max	%Us	110
	drop-out				
			min	%Us	20
			max	%Us	60
Average coil consump	tion ≤20°C				
			in-rush	W	400
			holding	W	18
Max cycles frequency					
Mechanical operation				cycles/h	1200
Operating times				-	
Average time for Us co	ontrol				
-	in AC				
		Closing NO			
		-	min	ms	110
			max	ms	180
		Opening NO			
		-	min	ms	60
			max	ms	100
	in DC				
		Closing NO			
			min	ms	110
			max	ms	180
		Opening NO			
			min	ms	60
			max	ms	100
UL technical data					
General USE					
	Contactor				
			AC current	А	800
Short-circuit protection					
	Standard fault				
			Short circuit current	kA	18
			Fuse rating	А	1500
			Fuse class		L
Ambient conditions					
Temperature					
	Operating temperature				
			min	°C	-50
			max	°C	70
	Storage temperature				
			min	°C	-60
			max	°C	80
Max altitude				m	3000
Resistance & Protection	on				
Pollution degree					3
Dimensions					

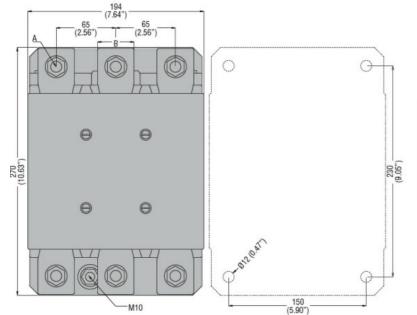
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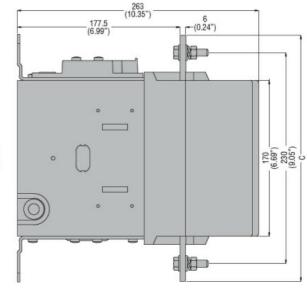
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ENERGY AND AUTOMATION

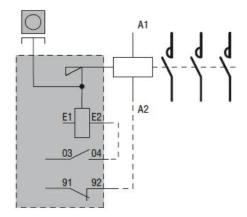




110...125VDC

CONTACTOR TYPE	A	В	С
B500	M10	35 (1.38")	265 (10.43")
B630	M12	40 (1.57")	270 (10.63")

## Wiring diagrams



## Certifications and compliance

Compliance
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Continoutions and	pompilarioe	
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		
	cULus	
ETIM classification		
		EC000066 -
ETIM 8.0		Power contactor,

AC switching