11B630L00220220



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



Product designation			Power contactor
Product type designation			B630
Contact characteristics		Nla	2
Number of poles		Nr. V	3 1000
Rated insulation voltage Ui IEC/EN		kV	
Rated impulse withstand voltage Uimp		KV	8
Operational frequency			25
	min	Hz	25
IEC Conventional free air thermal current Ith	max	Hz	400
		A	800
Operational current le	AC 1 (<10°C)	۸	000
	AC-1 (≤40°C)	A	800
	AC-1 (≤55°C)	A	640
	AC-1 (≤70°C)	A	540
	AC-3 (≤440V ≤55°C) AC-4 (400V)	A	630 260
Pated aparational power AC 2 (T<55°C)	AC-4 (400V)	A	200
Rated operational power AC-3 (T≤55°C)	400V	kW	255
Rated operational power AC-1 (T≤40°C)	400 v	KVV	355
Rated operational power AC-1 (1540 C)	2201/	1.1.1./	200
	230V 400V	kW kW	288 500
	400V 500V	kW	655
	690V	kW	860
IEC max current le in DC1 with $L/R \le 1$ ms with 1 poles in series	090 v	K V V	800
The max current le in DCT with L/R 2 this with T poles in series	75V	۸	800
	110V	A A	460
	220V	A	400
	330V	A	
	460V	A	
IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series	+007		
	75V	А	800
	110V	A	800
	220V	A	700
	330V	A	
	460V	A	
IEC max current le in DC1 with L/R \leq 1ms with 3 poles in series	1001		
	75V	А	800
	110V	A	800
	220V	A	800
	330V	A	700
	460V	A	
IEC max current le in DC1 with $L/R \le 1$ ms with 4 poles in series			
· · · · · · · · · · · · · · · · · · ·	75V	А	800
	110V	A	800
	220V	A	800



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220...240VAC

	330V	А	750
	460V	Α	700
EC max current le in DC3-DC5 with L/R \leq 15ms with 1 poles in series			
	75V	А	800
	110V	А	460
	220V	А	
	330V	А	
	460V	A	
EC max current le in DC3-DC5 with L/R \leq 15ms with 2 poles in series			
	75V	A	800
	110V	A	800
	220V	A	700
	330V	A	
	460V	A	
EC max current le in DC3-DC5 with $L/R \le 15$ ms with 3 poles in series			
	75V	A	800
	110V	А	800
	220V	А	800
	330V	А	650
	460V	A	
IEC max current le in DC3-DC5 with $L/R \le 15$ ms with 4 poles in series			
	75V	A	800
	110V	А	800
	220V	А	800
	330V	A	650
	460V	A	700
Short-time allowable current for 10s (IEC/EN60947-1)		А	5040
Protection fuse			
	gG (IEC)	A	1000
	aM (IEC)	A	630
Making capacity (RMS value)		Α	6300
Breaking capacity at voltage			
	440V	A	6300
	500V	A	5600
	690V	A	5000
Resistance per pole (average value)		mΩ	0.14
Power dissipation per pole (average value)			
	lth	W	90
	AC-3	W	56
Tightening torque for terminals			
	min	Nm	55
	max	Nm	55
	min	lbin	40.6
	max	lbin	40.6
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			
			0 000 1 1

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2x 600 kcmil

max



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ENERGY AND AUTOMATION

220...240VAC

Power terminal protection according to IEC/EN 60529			IP00
Mechanical features			
Operating position			
	normal		Vertical plan ±30°
Fixing	allowable		
Fixing		~	Screw 1902
Weight Conductor section		g	1902
AWG/kcmil conductor section	2001		Dv 600 komil
Operations	max		2x 600 kcmil
Mechanical life		oveloc	5000000
Electrical life		cycles	700000
Safety related data		cycles	700000
Performance level B10d according to EN/ISO 13489-1			
renormance level brou according to EN/ISO 15469-1	rated load	cycles	700000
	mechanical load	cycles	5000000
Mirror contats according to IEC/EN 609474-4-1		Cycles	
EMC compatibility			yes
AC coil operating			yes
Rated AC voltage at 50/60Hz, 60Hz			
Nated AC Voltage at 50/00112, 00112	min	V	220
	max	V	220
AC operating voltage	max	v	210
of 50/60Hz coil powered at 50Hz			
pick-up			
plot of	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	400
	holding	VA	18
of 50/60Hz coil powered at 60Hz			
	in-rush	VA	400
	holding	VA	18
Dissipation at holding ≤20°C 50Hz		W	18

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ENERGY AND AUTOMATION

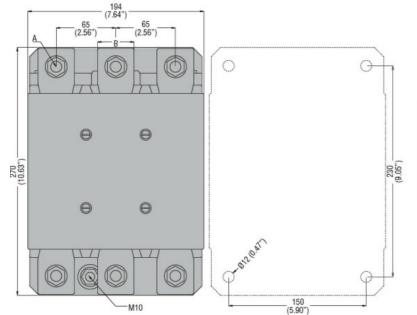
220...240VAC

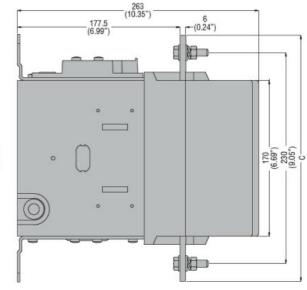
DC coil operating					
DC rated control voltag	le				
Ŭ			min	V	220
			max	V	240
DC operating voltage					
	pick-up				
			min	%Us	80
			max	%Us	110
	drop-out				
			min	%Us	20
			max	%Us	60
Average coil consumpt	tion ≤20°C				
			in-rush	W	400
			holding	W	18
Max cycles frequency					
Mechanical operation				cycles/h	1200
Operating times	- tual				
Average time for Us co					
	in AC				
		Closing NO	min	me	110
			min max	ms ms	180
		Opening NO	IIIdX	1115	100
			min	ms	60
			max	ms	100
	in DC		Пал		
	= •	Closing NO			
		5 5 5	min	ms	110
			max	ms	180
		Opening NO			
			min	ms	60
			max	ms	100
UL technical data					
General USE					
	Contactor				
			AC current	A	800
Short-circuit protection					
	Standard fault				4.0
			Short circuit current	kA	18
			Fuse rating	A	1500
Ambient conditions			Fuse class		L
Temperature					
remperature	Operating temperature				
			min	°C	-50
			max	°C	70
	Storage temperature		max	~	. •
	etorage temperature		min	°C	-60
			max	°Č	80
Max altitude				m	3000
Resistance & Protectio	n				
Pollution degree					3
Dimensions					



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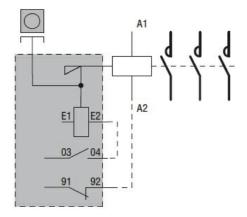
ENERGY AND AUTOMATION





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

Complian	ce
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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