



Product designation Product type designation			Power contactor B630
Contact characteristics			0000
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	800
Operational current le			
	AC-1 (≤40°C)	А	800
	AC-1 (≤55°C)	А	640
	AC-1 (≤70°C)	А	540
	AC-3 (≤440V ≤55°C)	А	630
	AC-4 (400V)	А	260
Rated operational power AC-1 (T≤40°C)			
	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	A	
	460V	A	
IEC max current le in DC1 with $L/R \le 1$ ms with 2 poles in series			
	75V	A	800
	110V	A	800
	220V	A	700
	330V	A	
	460V	Α	
IEC max current le in DC1 with $L/R \le 1$ ms with 3 poles in series			
	75V	A	800
	110V	A	800
	220V	A	800
	330V	A	700
IFC may autrent to in DC1 with 1/D < 1ma with 1 males in a min	460V	A	
IEC max current le in DC1 with $L/R \le 1$ ms with 4 poles in series	7-11		000
	75V	A	800
	110V	A	800
	220V	A	800
	330V	A	750 700
	460V	A	700

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IEC max current le in DC3-DC5 with L/R ≤ 15ms with 1 poles in series			
	75V	А	800
	110V	A	460
	220V	A	
	330V	A	
	460V	A	
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 2 poles in series			
	75V	А	800
	110V	A	800
	220V	А	700
	330V	А	
	460V	А	
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series			
	75V	А	800
	110V	А	800
	220V	А	800
	330V	А	650
	460V	А	
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 4 poles in series			
· ·	75V	А	800
	110V	А	800
	220V	А	800
	330V	А	650
	460V	А	700
Short-time allowable current for 10s (IEC/EN60947-1)		А	5040
Protection fuse			
	gG (IEC)	А	1000
	aM (IEC)	А	630
Making capacity (RMS value)		Α	6300
Breaking capacity at voltage			
	440V	А	6300
	500V	А	5600
	690V	А	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	Ibin	40.6
	max	Ibin	40.6
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		2x 600 kcmil
Power terminal protection according to IEC/EN 60529			IP00
Mechanical features			



**11B630400110** FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 800A, AC/DC COIL, 110...125VAC/DC

Operating position

max	g	Screw 2188
max	g	
max		
max		
max		
		2x 600 kcmil
		500000
	cycles	5000000
	cycles	700000
rated load	cycles	700000
	-	5000000
meenamearioad	Cycles	yes
		yes
		,
min	V	110
max	V	125
min		80
max	%Us	110
		20
max	%US	60
min	%Le	80
		110
max	/000	110
min	%Us	20
max	%Us	60
	-	
min	%Us	80
max	%Us	110
min	%Us	20
max	%Us	60
. ,		100
		400
noiaing	VA	18
in ruch	\/٨	400
		400 18
noiuing		18
	max min max min max min max min max min max min max	mechanical load yeles min max V V V V V V V V V V V V V

DC rated control voltage



11B630400110 FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 800A, AC/DC COIL,

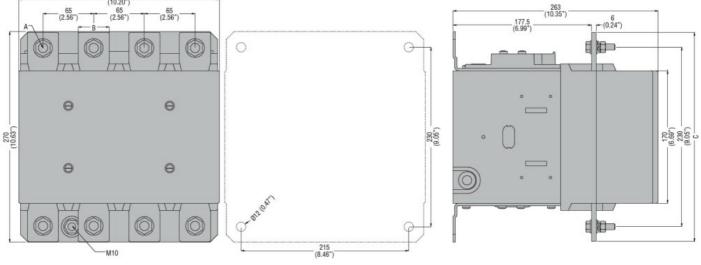
110...125VAC/DC

			min	V	110
			max	V	125
DC operating voltage	nick un				
	pick-up		min	%Us	80
			max	%Us	110
	drop-out		max	/000	110
			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	tu - l				
Average time for Us co	in AC				
		Closing NO			
			min	ms	110
			max	ms	180
		Opening NO			
		1 0	min	ms	60
			max	ms	100
	in DC				
		Closing NO			
			min	ms	110
			max	ms	180
		Opening NO			60
			min max	ms ms	100
UL technical data			Пах	1110	100
General USE					
	Contactor				
			AC current	А	800
Short-circuit protectior	n fuse, 600V				
	Standard fault				
			Short circuit current	kA	18
			Fuse rating	А	1500
A sector and the sector of the			Fuse class		L
Ambient conditions					
Temperature	Operating temperature				
			min	°C	-50
			max	°C	70
	Storage temperature		max	0	. •
			min	°C	-60
			max	°C	80
Max altitude				m	3000
Resistance & Protection	on				
Pollution degree					3
Dimensions					



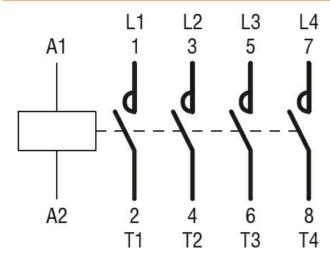
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## 259 (10.20") 65 (2.56")



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

## 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	on de la constant de	
ETIM 8.0		EC000066 - Power contactor, AC switching