# THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 630A, AC/DC COIL, 60VAC/DC



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
IFO Occupational free six the second connect life	max	Hz	400
IEC Conventional free air thermal current Ith		Α	800
Operational current le	10.4 (11000)		000
	AC-1 (≤40°C)	A	800
	AC-1 (≤55°C)	A	640
	AC-1 (≤70°C)	A	540
	AC-3 (≤440V ≤55°C)	A	630
D. I. J. C. J. A.O.O. (T. 45500)	AC-4 (400V)	A	260
Rated operational power AC-3 (T≤55°C)	0001/		4.0.0
	230V	kW	198
	400V	kW	355
	415V	kW	368
	440V	kW	368
	500V	kW	368
	690V	kW	440
Detect energtional newer AC 1 (T<10°C)	1000V	kW	368
Rated operational power AC-1 (T≤40°C)	0001/	1-147	000
	230V	kW	288
	400V 500V	kW kW	500 655
	690V	kW	860
IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series	090 V	KVV	000
TEC max current le in DCT with L/R \( \) This with T poles in series	75\/	۸	900
	75V 110V	A A	800 460
	220V	A	
	330V	_	<b></b>
	460V	A A	
IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series	400 V		
TEO max current le in DOT with E/N 3 mis with 2 poles in series	75V	Α	800
	110V	A	800
	220V	A	700
	330V	A	700 
	460V	A	 
IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series	400 V	^	<u> </u>
	75V	Λ	800
	75V 110V	A A	800
	220V	A	800
	220 V	^	500



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	330V	Α	700
	460V	Α	
IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series			
	75V	Α	800
	110V	Α	800
	220V	Α	800
	330V	Α	750
	460V	Α	700
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 1 poles in series			
	75V	Α	800
	110V	Α	460
	220V	Α	
	330V	Α	
	460V	Α	
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 2 poles in series			
, , , , , , , , , , , , , , , , , , , ,	75V	Α	800
	110V	Α	800
	220V	Α	700
	330V	A	
	460V	Α	
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series	100 V	- , ,	
TEO HILL OUT OF THE DOO DOO WILL ETT = TOTAL WILL O POICE IT SOLICE	75V	Α	800
	110V	A	800
	220V	A	800
	330V	A	650
	460V	A	
IFC may current to in DC2 DC5 with L/D < 15mg with 4 poles in series	400 V	^	<b></b>
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 4 poles in series	75\/	۸	900
	75V 110V	A	800
		A	800
	220V	A	800
	330V	A	650
Chart time allowable assured for 400 (IEC/ENCO047.4)	460V	A	700
Short-time allowable current for 10s (IEC/EN60947-1)		Α	5040
Protection fuse	0 ((=0)		4000
	gG (IEC)	Α	1000
	aM (IEC)	Α	630
Making capacity (RMS value)		Α	6300
Breaking capacity at voltage		_	
	440V	Α	6300
	500V	Α	5600
	690V	A	5000
Resistance per pole (average value)		mΩ	0.14
Power dissipation per pole (average value)			
	Ith	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



## THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 630A, AC/DC COIL,

		min	lbin	0.74
		max	Ibin	0.74
	multaneously connectable		Nr.	2
Conductor section				
	AWG/Kcmil			
		max		2x 600 kcmil
-	on according to IEC/EN 60529			IP00
Mechanical features				
Operating position		normal		Vertical plan
		allowable		Vertical plan ±30°
Fixing		allowable		Screw
Weight			g	1840
Conductor section			<u> </u>	
	AWG/kcmil conductor section			
		max		2x 600 kcmil
Operations				
Mechanical life			cycles	5000000
Electrical life			cycles	700000
Safety related data				
Performance level B10	d according to EN/ISO 13489-1			
		rated load	cycles	700000
<b>.</b>		mechanical load	cycles	5000000
	g to IEC/EN 609474-4-1			yes
EMC compatibility				yes
AC coil operating Rated AC voltage at 50/	/60Hz		V	60
AC operating voltage	00112		V	00
Ao operating voltage	of 50/60Hz coil powered at 50Hz			
	pick-up			
	p.o up	min	%Us	80
		max	%Us	110
	drop-out			
		min	%Us	20
		max	%Us	60
	of 50/60Hz coil powered at 60Hz			
	pick-up		0/11	
		min	%Us	80
	drop out	max	%Us	110
	drop-out		%Us	20
		min		
		min max		60
	of 60Hz coil powered at 60Hz	min max	%Us	60
	of 60Hz coil powered at 60Hz			60
	of 60Hz coil powered at 60Hz pick-up			80
	•	max	%Us	
	•	max min	%Us	80
	pick-up	max min	%Us %Us %Us %Us	80 110 20
	pick-up drop-out	max min max	%Us %Us %Us	80 110
	pick-up drop-out	max min max min	%Us %Us %Us %Us	80 110 20
	pick-up drop-out	max min max min max	%Us %Us %Us %Us %Us	80 110 20 60
AC average coil consun	pick-up drop-out	max min max min	%Us %Us %Us %Us	80 110 20



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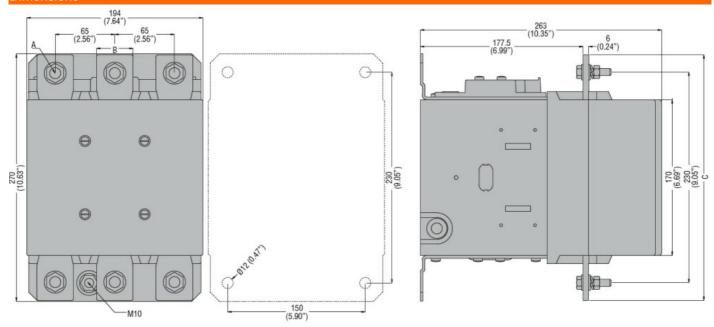
		1			
	of 50/60Hz coil powere	ed at 60Hz			400
			in-rush	VA	400
<del></del>	.0000 5011		holding	VA	18
Dissipation at holding ≤	20°C 50Hz			W	18
DC coil operating					
DC rated control voltag	e			V	60
DC operating voltage					
	pick-up		_		
			min	%Us	80
			max	%Us	110
	drop-out				
			min	%Us	20
			max	%Us	60
Average coil consumpt	ion ≤20°C				
			in-rush	W	400
			holding	W	18
Max cycles frequency					
Mechanical operation				cycles/h	1200
Operating times					
Average time for Us co					
	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			_	
<u> </u>			AC current	A	800
Short-circuit protection					
	Standard fault		01	1.4	4.0
			Short circuit current	kA	18
			Fuse rating	Α	1500
Angle in a second little			Fuse class		L
Ambient conditions					
Temperature					
	Operating temperature			0.0	50
			min	°C	-50
	<u> </u>		max	°C	70
	Storage temperature		_	2.5	00
			min	°C	-60
B.4. 165 1			max	°C	80
Max altitude				m	3000
Resistance & Protection	n				
Pollution degree					3



**ENERGY AND AUTOMATION** 

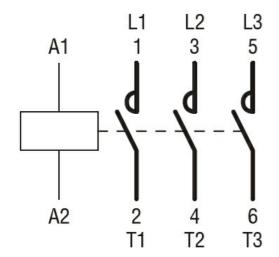
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#### **Dimensions**



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



#### 11B6300060

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ETIM 8.0

EC000066 -Power contactor, AC switching