



Product designation Product type designation			Power contactor B630
Contact characteristics			D030
Number of poles		nr.	3
Rated insulation voltage Ui IEC/EN		V	1000
Rated impulse withstand voltage Uimp		kV	8
Operational frequency		ic v	
operational requertey	min	Hz	25
	max	Hz	400
IEC Conventional free air thermal current Ith	Παλ	A	800
Operational current le			000
Operational current le	AC-1 (≤40°C)	۸	800
	, , ,	A	130
	AC-1 (≤55°C)	A	
	AC-3 (≤440V ≤55°C)	A	630
Dated an autional account AC 2 (Tappa)	AC-4 (400V)	Α	210
Rated operational power AC-3 (T≤55°C)	2001/		400
	230V	kW	198
	400V	kW	355
	415V	kW	368
	440V	kW	368
	500V	kW	368
	690V	kW	440
	1000V	kW	368
Rated operational power AC-1 (T≤40°C)			
	230V	kW	288
	400V	kW	500
	500V	kW	655
	690V	kW	860
Short-time allowable current for 10s (IEC/EN60947-1)		Α	5040
Protection fuse			
	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	Α	5000
Resistance per pole (average value)		mΩ	0.14
Power dissipation per pole (average value)			
,	Ith	W	90
	AC3	W	56
Tightening torque for terminals		<u> </u>	
2 ··· 2 ··· 1 ··· · ··· · · · · · · · ·	min	Nm	55
	max	Nm	55
	min	lbin	40.6



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		max	Ibin	40.6
Tightening torque for c	oil terminal			
		min	Nm	1
		max	Nm	1
		min	lbft	0.74
		max	lbft	0.74
Max number of wires s	imultaneously connectable		nr.	2
	ion according to IEC/EN 60529			IP00
Mechanical features	ion according to 120/211 coops			
Operating position				
Operating position		normal		vertical plan
		allowable		±30°
Finds a		allowable		
Fixing				Screw
Weight			g	1836
Operations				- 22222
Mechanical life			cycles	5000000
Electrical life			cycles	700000
Safety related data				
Performance level B10	od according to EN/ISO 13489-1			
		rated load	cycles	700000
		mechanical load	cycles	5000000
Mirror contats according	ng to IEC/EN 609474-4-1			yes
EMC compatibility				yes
AC coil operating				
Rated AC voltage at 50	0/60Hz, 60Hz			
· ·	·	min	V	48
		max	V	480
AC operating voltage				
rio operaning remage	of 50/60Hz coil powered at 50Hz			
	pick-up			
	ριοίς αρ	min	%Us	80
		max	%Us	110
	drop-out	max	7000	110
	urop-out	min	%Us	20
			%Us	60
	of FO/GOLLE and newgrad at GOLLE	max	/005	00
	of 50/60Hz coil powered at 60Hz			
	pick-up	!	0/11-	90
		min	%Us	80
	dran and	max	%Us	110
	drop-out	!	0/11-	20
		min	%Us	20
	(001)	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 operating voltage a	at 20°C			
	of 50/60Hz coil powered at 50Hz			
		in-rush	VA	400
		holding	VA	18

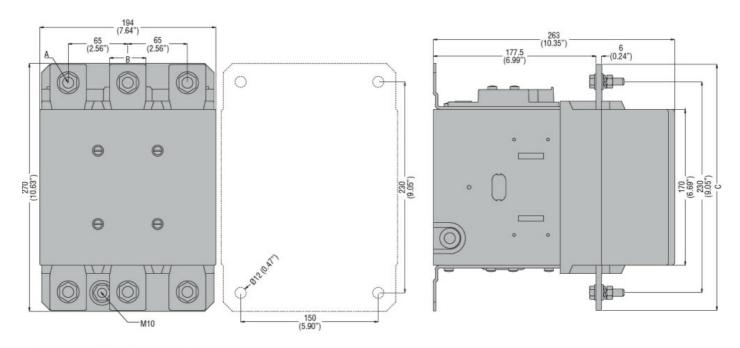


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Dissipation at holding		of 50/60Hz coil powere	d at 60Hz			
Dissipation at holding \$20°C 50Hz W 18 W W 18 W W W W W W W W W		01 00/001 12 0011 powere	a at 00112	in-rush	VA	400
Dissipation at holding \$20°C 50Hz W 18						
DC rated control voltage	Dissipation at holding ≤	20°C 50Hz				
DC operating voltage						
DC operating voltage pick-up min wous wo	DC rated control voltag	е				
Pick-up				min	V	24
Min	DC operating voltage					_
Max drop-out Minimate Mini		pick-up				
Average coil consumption ≤20°C min				min		
Minitary Minitary				max	%Us	110
Average coil consumption ≤20°C Security Security		drop-out				
Average coil consumption ≤20°C in-rush w 400 holding w 18						
In-rush holding W 400 holding W 18	<u> </u>	. 10000		max	%Us	60
Max cycles frequency	Average coil consumpt	ion ≤20°C			147	400
Max cycles frequency Mechanical operations cycles/h 1200 Operating times Average time for Us control min ms 110 max ms 180 In AC min ms 180 max ms 180 Opening NO min ms 60 max ms 100 In DC Closing NO Closing NO min ms 110 max ms 180 Opening NO min ms 60 max ms 180 UL technical data max ms 100 UL technical data Contactor Ambient conditions AC current A 800 Temperature min °C -50 max °C 70 Storage temperature min °C -60 max °C 80 Max altitude min °C -60 max °C 80 Resistance & Protection min 3000						
Mechanical operations cycles/h 1200 Operating times 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 A 800 Ambient conditions Temperature min °C -50 Ambient conditions Temperature min °C -50 Storage temperature min °C -60 Storage temperature min °C -60 Max altitude min °C -60 Resistance & Protection Pollution degree	May evolor frequency			noiding	VV	10
Average time for Us control in AC					eveloc/b	1200
Average time for Us control 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 100 In DC Closing NO min ms 110 max ms 180 Opening NO min ms 60 max ms 180 Opening NO Min ms 60 max ms 180 Opening NO Min ms 60 max ms 100 UL technical data General USE Contactor AC current A 800 Ambient conditions Temperature Operating temperature Max altitude min °C -50 max °C 70 Storage temperature min °C -60 max °C 70 Storage temperature Max altitude Max altitude Resistance & Protection Pollution degree Fig. 3					Cycles/II	1200
in AC Closing NO min ms 110 max ms 180 Opening NO min ms 60 max ms 100 min ms 100 in DC Closing NO min ms 110 max ms 180 Opening NO min ms 100 UL technical data General USE Contactor AC current A 800 Amblent conditions Temperature Operating temperature Operating temperature Min °C -50 max °C 70 Storage temperature min °C -60 max °C 70 Storage temperature Max altitude Max altitude Max altitude Resistance & Protection Resistance & Protection		ntrol				
Closing NO	Average time for 03 00					
Min max ms 110 max ms 180 Min ms 100 Min ms 180 Min ms 100 M			Closing NO			
Max			0.00g	min	ms	110
Opening NO						
Max			Opening NO			
In DC				min	ms	60
Closing NO				max	ms	100
Min max ms 110 max ms 180		in DC				
Opening NO			Closing NO			
Opening NO min ms 60 max ms 100 UL technical data General USE Contactor AC current A 800 Ambient conditions Temperature Min °C -50 max °C 70 Storage temperature min min °C -60 max °C 80 Max altitude m 3000 Resistance & Protection Pollution degree						
min ms 60 max ms 100 UL technical data General USE Contactor AC current A 800 Ambient conditions Temperature Min °C -50 max °C 70 Storage temperature min °C -60 max °C 80 Max altitude m 3000 Resistance & Protection m 3000 Pollution degree 3				max	ms	180
Max ms 100 UL technical data			Opening NO			00
Contactor						
Contactor AC current A 800	III. tochnical data			IIIdX	1115	100
Contactor AC current A 800 Ambient conditions Temperature Min °C -50 max °C 70 Storage temperature min °C -60 Max altitude m 3000 Resistance & Protection Pollution degree 3						
AC current	Ochoral OOL	Contactor				
Ambient conditions		Comadion		AC current	Α	800
Operating temperature	Ambient conditions			710 00	, ,	
Operating temperature min °C -50 max °C 70 Storage temperature min °C -60 max °C 80 Max altitude m 3000 Resistance & Protection Pollution degree 3						
min min max °C -50 max -50 recorded Storage temperature min °C -60 max °C 80 Max altitude m 3000 Resistance & Protection 3	•	Operating temperature				
Storage temperature min or company or construction or construction end or construction or construction sesistance & Protection m 3000 Pollution degree 3				min	°C	-50
min min max °C -60 rection Max altitude m 3000 Resistance & Protection 3 Pollution degree 3				max	°C	70
Max altitudemax°C80Mesistance & Protectionm3000Pollution degree3		Storage temperature				
Max altitude m 3000 Resistance & Protection Pollution degree 3				min		
Resistance & Protection Pollution degree 3	-			max	°C	
Pollution degree 3					m	3000
		n				
Dimensions						3
	Dimensions					

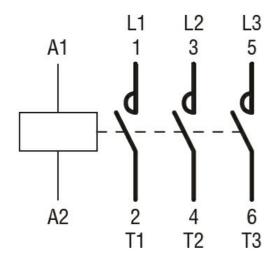


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CONTACTOR TYPE	A	В	С
B500	M10	35 (1.38")	265 (10.43")
B630	M12	40 (1.57")	270 (10.63")

Wiring diagrams



Certifications and compliance

Compliance

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 6 classification

EC000066 - Power contactor, AC switching