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FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 800A, AC/DC COIL, 220… 240VAC/DC



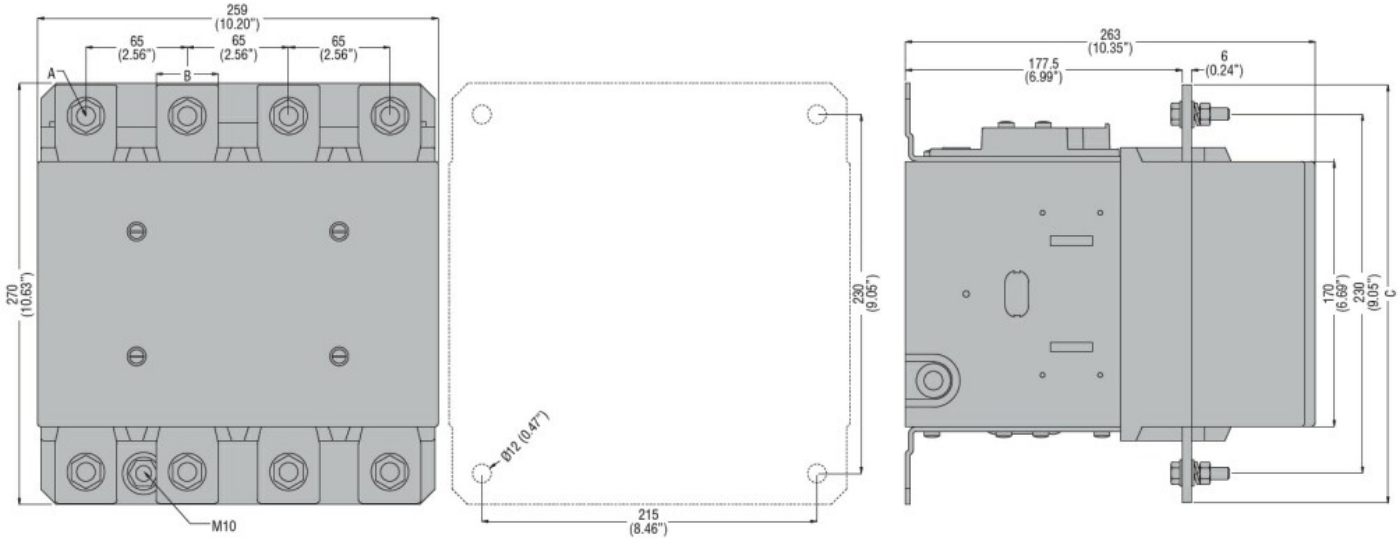
Product type designation			B630
Contact characteristics			
Number of poles		nr.	3
Rated insulation voltage Ui		V	1000
Rated impulse withstand voltage Uimp		kV	8
Operating frequency			
	Operational frequency min	Hz	25
	Operational frequency max	Hz	400
Conventional free air thermal current Ith		A	800
Operating current			
	Operational current AC3 (≤440V ≤55°C)	A	630
	Operational current AC4 (400V)	A	210
Short-time allowable current for 10s (IEC/EN60947-1)		A	5040
Protection fuse			
	gG (IEC)	A	1000
	aM (IEC)	A	630
Making capacity (RMS value)		A	6300
Breaking capacity at voltage			
	Breaking capacity 440V	A	6300
	Breaking capacity 500V	A	5600
	Breaking capacity 690V	A	5000
Resistance per pole (average value)		mΩ	0.14
Power dissipation per pole (average value)			
	Power dissipation pole (average value) Ith	W	90
	AC3	W	56
Tightening torque for terminals			
	min	Nm	55
	max	Nm	55
	min	lbft	40.6
	max	lbft	40.6
Tightening torque for coil terminal			
	min	Nm	1
	max	Nm	1
	min	lbft	0.74
	max	lbft	0.74
Ambient conditions			
Temperature			
	Operating temperature		
	min	°C	-50
	max	°C	70
	Storage temperature		
	min	°C	-60
	max	°C	80
Max altitude		m	3,000
Operating position			

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	normal allowable		Vertical plan ±30°
Mounting			Screw / DIN rail 35mm
Weight		g	18.62
Operations			
Mechanical life		Cycles	5,000,000
Electrical life		Cycles	700000
Safety related data			
Mirror contats according to IEC/EN 609474-4-1			Yes
EMC compatibility			Yes
AC coil operating			
Rated AC voltage at 50/60Hz, 60Hz			
	min	V	48
	max	V	480
AC operating voltage			
of 50/60Hz coil powered at 50Hz			
pick-up			
	min	%Us	80
	max	%Us	110
DC coil operating			
DC operating voltage			
Average coil consuption ≤20°C			
	in-rush	W	400
	holding	W	18
Max cycles frequency			
Mechanical operations		Cycles/h	3,600
Dimensions			



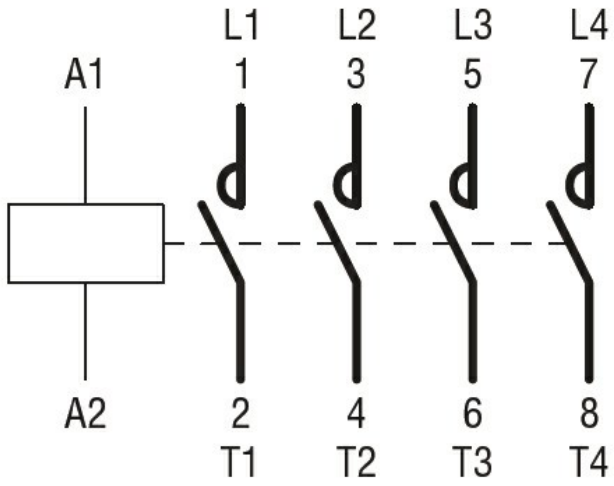
CONTACTOR TYPE	A	B	C
B500	M10	35 (1.38")	265 (10.43")
B630	M12	40 (1.57")	270 (10.63")

Wiring diagrams

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Certifications and compliance

Certifications

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

Compliance

CCC
cULus
EAC

ETIM 6 classification

EC000066 - Power contactor, AC switching

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