11B63000110



THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 630A, AC/DC COIL, 110... 125VAC/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	А	800
Operating current		
Operational current AC3 (≤440V ≤55°C)	А	630
Operational current AC4 (400V)	Α	210
Short-time allowable current for 10s (IEC/EN60947-1)	Α	5040
Protection fuse		
gG (IEC)	А	1000
aM (IEC)	Α	630
Making capacity (RMS value)	Α	6300
Breaking capacity at voltage		
Breaking capacity 440V	А	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	°C	50
min	°C °C	-50 70
Max Storage temperature	U	10
Storage temperature min	°C	-60
max	°C	-80 80
Max altitude		3,000
	m	3,000

Operating position

The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding

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ENERGY AND AUTOMATION

125VAC/DC

	normal allowable	Vertical plan ±30°
Mounting		Screw / DIN rail 35mm
Weight	g	18.62
Operations	9	
Mechanical life	Cycle	es 5,000,000
Electrical life	Cycle	es 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 %U	s 80
	max %U	s 110
DC coil operating		
DC operating voltage		
Average coil consuption ≤20°C		
	in-rush W	400
	holding W	18
Max cycles frequency	0	. // 0.000
Mechanical operations	Cycle	s/h 3,600
Dimensions		
	(10.35")(10.35"	-(0.24")
(10.53 ⁷) (9.05 [*])	•	170 (6.6°) (9.05°)
To		
		()
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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THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 630A, AC/DC COIL, 110... 125VAC/DC

Certifications and compliance

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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
FTIM 6 classification	

EC000066 - Power contactor, AC switching