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Product designation Power contactor Product type designation BFD80 Contact characteristics 4 Number of poles nr. Rated insulation voltage Ui IEC/EN V 1000 Rated impulse withstand voltage Uimp kV 8 **Operational frequency** min Hz 25 Hz 400 max IEC Conventional free air thermal current Ith 115 А IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series 400V А 100 600V А 100 76 800V А 1000V А 60 Short-time allowable current for 10s (IEC/EN60947-1) 640 А Protection fuse gG (IEC) А 125 aM (IEC) 80 А mΩ Resistance per pole (average value) 0.6 Power dissipation per pole (average value) lth W 7.9 Tightening torque for terminals min Nm 4 Nm 5 max Ibin 2.95 min max lbin 3.69 Tightening torque for coil terminal Nm 0.8 min Nm 1 max lbft 0.8 min lbft 0.74 max Max number of wires simultaneously connectable 2 nr. Conductor section Flexible w/o lug conductor section min mm² 1.5 mm² max 35 Flexible c/w lug conductor section 1.5 min mm² max mm² 35 Power terminal protection according to IEC/EN 60529 IP20 front Mechanical features Operating position vertical plan normal

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±30°

allowable



Screw / DIN rail Fixing 35mm Weight 1240 g Operations Mechanical life 15000000 cycles Safety related data Performance level B10d according to EN/ISO 13489-1 mechanical load cycles 15000000 EMC compatibility yes AC coil operating Rated AC voltage at 50/60Hz, 60Hz V 12 min V 600 max AC operating voltage of 50/60Hz coil powered at 50Hz pick-up %Us 110 max drop-out min %Us 20 %Us 55 max of 50/60Hz coil powered at 60Hz pick-up %Us 85 min max %Us 110 drop-out %Us 20 min %Us 55 max AC operating voltage at 20°C of 50/60Hz coil powered at 50Hz VA 210 in-rush holding VA 15 of 50/60Hz coil powered at 60Hz in-rush VA 195 holding VA 13 of 60Hz coil powered at 60Hz VA 210 in-rush holding VA 15 Dissipation at holding ≤20°C 50Hz W 5 Max cycles frequency Mechanical operation cycles/h 3600 Operating times Average time for Us control in AC **Closing NO** 12 min ms 28 max ms **Opening NO** 8 min ms max ms 22 in DC **Closing NO** 40 min ms max ms 85 **Opening NO**

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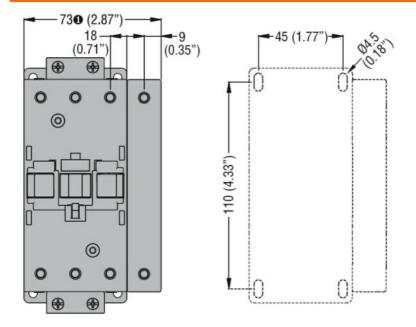


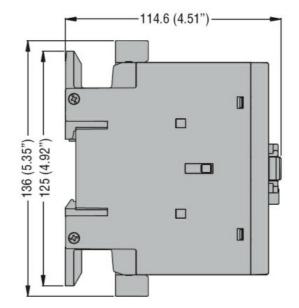
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Stycznik 4 polowy, 60A/1000V DC1, cewka AC, 48VAC 50/60HZ

		min	ms	20
		max	ms	55
UL technical data				
General USE				
	Contactor			
		AC current	А	115
	4 poles in series DC1			
		600V	А	100
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-50
		max	°C	70
	Storage temperature			
		min	°C	-60
		max	°C	80
Max altitude			m	3000
Resistance & Protect	ion			
Pollution degree				3
Dimensione				

Dimensions

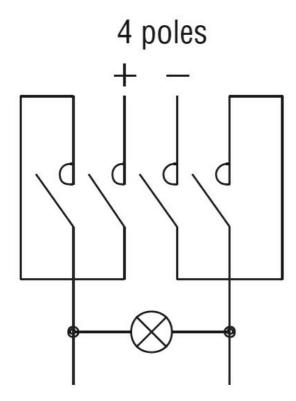




BF80T2 82mm/3.23"

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 60947-4-1
Certificates	

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