



FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 32A, AC COIL 60HZ, 575VAC, 2NO AND 2NC



Product designation Power contactor Product type designation **BF18** Contact characteristics Nr. 4 Number of poles Rated insulation voltage Ui IEC/EN ٧ 690 Rated impulse withstand voltage Uimp kV 6 Operational frequency Н 25 min Hz 400 max IEC Conventional free air thermal current Ith 32 Α Operational current le AC-1 (≤40°C) Α 32 AC-1 (≤55°C) Α 26 AC-1 (≤70°C) Α 23 AC-3 (≤440V ≤55°C) Α 18 AC-4 (400V) 8.5 Rated operational power AC-1 (T≤40°C) kW 12 230V 400V kW 21 500V kW 26 690V kW 36 Short-time allowable current for 10s (IEC/EN60947-1) Α 200 Protection fuse gG (IEC) Α 32 aM (IEC) Α 20 Α Making capacity (RMS value) 180 Breaking capacity at voltage 440V Α 144 500V Α 120 690V Α 94 $m\Omega$ 2.5 Resistance per pole (average value) Power dissipation per pole (average value) W 2.6 Ith AC-3 W 8.0 Tightening torque for terminals min Nm 1.5 Nm max 1.8 min Ibin 1.1 1.5 Ibin max Tightening torque for coil terminal min Nm 0.8 max Nm 1 Ibin 0.8 min max Ibin 0.74 2 Max number of wires simultaneously connectable Nr.



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Conductor section			
Conductor Section	AWG/Kcmil		
	max		10
	Flexible w/o lug conductor section		
	min	mm²	1
	max	mm²	6
	Flexible c/w lug conductor section		
	min	mm²	1
	max The 11th 21th in total control of the control o	mm²	4
	Flexible with insulated spade lug conductor section	na na 2	4
	min max	mm² mm²	1 4
		111111	IP20 when
Power terminal protection according to IEC/EN 60529			properly wired
Mechanical features			1 1
Operating position			
	normal		Vertical plan
	allowable		±30°
Fixing			Screw / DIN rail 35mm
Weight		g	352
Conductor section			
	AWG/kcmil conductor section		
	max		10
Operations Mechanical life		avalaa	20000000
Electrical life		cycles	20000000 1600000
Safety related data		cycles	1000000
•	0d according to EN/ISO 13489-1		
T offormation for D is	rated load	cycles	1600000
	mechanical load	cycles	20000000
Mirror contats accordi	ng to IEC/EN 609474-4-1	•	YES
EMC compatibility			yes
AC coil operating			
Rated AC voltage at 6	0Hz	V	575
AC operating voltage			
	of 60Hz coil powered at 60Hz		
	pick-up	0/11	0.0
	min	%Us	80
	dron-out max	%Us	110
	drop-out min	%Us	20
	max	%Us	55
AC average coil consu		,,,,,,	-
5	of 60Hz coil powered at 60Hz		
	in-rush	VA	75
	holding	VA	9
Dissipation at holding	≤20°C 50Hz	W	2.5
Max cycles frequency			
Mechanical operation		cycles/h	3600
Operating times			
Average time for Us co			
	in AC		



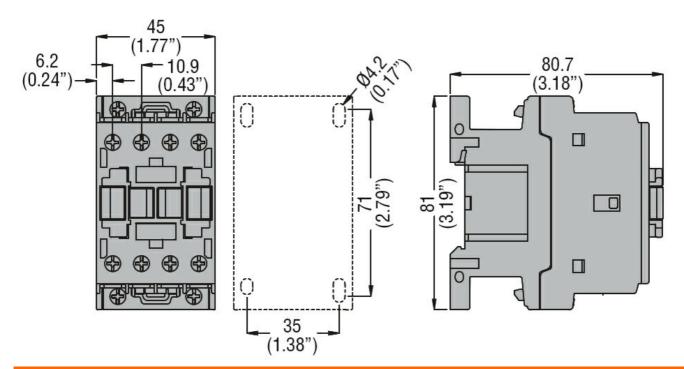


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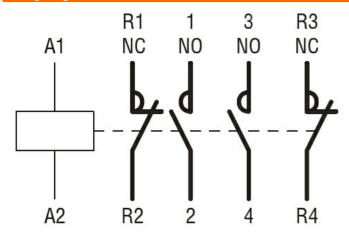
	Closing NO			
	S	min	ms	8
		max	ms	24
	Opening NO			
	- parmig	min	ms	10
		max	ms	20
	Closing NC			
	Grooming 110	min	ms	14
		max	ms	28
	Opening NC	max	1110	20
	Opening No	min	ms	7
		max	ms	, 18
UL technical data		Παλ	1115	10
	for three phase AC mater			
rull-load current (FLA)	for three-phase AC motor	-+ 400\/	^	4.4
		at 480V	A	14
		at 600V	Α	17
Yielded mechanical pe				
	for single-phase AC motor			
		110/120V	HP	1
		230V	HP	3
	for three-phase AC motor			
		200/208V	HP	5
		220/230V	HP	5
		460/480V	HP	10
		575/600V	HP	15
General USE				_
	Contactor			
		AC current	Α	32
Ambient conditions		710 00		<u></u>
Temperature				
· o.iipoiataio	Operating temperature			
	Operating temperature	min	°C	-50
			°C	
	Ctorogo tomporaturo	max		70
	Storage temperature		° C	00
		min	°C	-60
		max	°C	80
Max altitude			m	3000
Resistance & Protection	on The Control of the			
Pollution degree				3
Dimensions				

ENERGY AND AUTOMATION

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Wiring diagrams



Certifications and compliance

Compliance

CSA C22.2 n° 60947-1

CSA C22.2 n° 60947-4-1

IEC/EN/BS 60947-1

IEC/EN/BS 60947-4-1

UL 60947-1

UL 60947-4-1

Certificates

CCC

cULus

EAC

ETIM classification

ETIM 8.0

EC000066 -Power contactor, AC switching