



FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 45A, AC COIL 60HZ, 575VAC, 2NO AND 2NC



Product designation			Power contactor
Product type designation			BF26
Contact characteristics			
Number of poles		Nr.	4
Rated insulation voltage Ui IEC/EN		V	690
Rated impulse withstand voltage Uimp		kV	6
Operational frequency			
	min	Hz	25
	max	Hz	400
IEC Conventional free air thermal current Ith		Α	45
Operational current le			
	AC-1 (≤40°C)	Α	45
	AC-1 (≤55°C)	Α	36
	AC-1 (≤70°C)	Α	32
	AC-3 (≤440V ≤55°C)	Α	26
	AC-4 (400V)	Α	11.5
Rated operational power AC-1 (T≤40°C)	· · · ·		
	230V	kW	17
	400V	kW	30
	500V	kW	37
	690V	kW	51
Short-time allowable current for 10s (IEC/EN60947-1)		Α	210
Protection fuse			
	gG (IEC)	Α	50
	aM (IEC)	Α	32
Making capacity (RMS value)		Α	260
Breaking capacity at voltage			
	440V	Α	208
	500V	Α	184
	690V	Α	168
Resistance per pole (average value)		$m\Omega$	2
Power dissipation per pole (average value)			
	lth	W	4
	AC-3	W	1.4
Tightening torque for terminals			
	min	Nm	2.5
	max	Nm	3
	min	lbin	1.8
	max	lbin	2.2
Tightening torque for coil terminal			
	min	Nm	0.8
	max	Nm	1
	min	lbin	0.8
	max	lbin	0.74
Max number of wires simultaneously connectable		Nr.	2



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Conductor section	NVO#4 "			
	AWG/Kcmil max		6	
	Flexible w/o lug conductor section		0	
	min	mm²	2.5	
	max	mm²	16	
	Flexible c/w lug conductor section			
	min	mm²	1	
	max	mm²	10	
	Flexible with insulated spade lug conductor section		4	
	min max	mm² mm²	1 10	
		111111	IP20 when	
Power terminal protect	Power terminal protection according to IEC/EN 60529			
Mechanical features			properly wired	
Operating position				
	normal		Vertical plan	
	allowable		±30° Screw / DIN rail	
Fixing			35mm	
Weight		g	518	
Conductor section				
	AWG/kcmil conductor section		6	
Operations	max		6	
Mechanical life		cycles	20000000	
Electrical life		cycles	1600000	
Safety related data		,		
Performance level B10	Od according to EN/ISO 13489-1			
	rated load	cycles	1600000	
	mechanical load	cycles	20000000	
	ng to IEC/EN 609474-4-1		YES	
EMC compatibility			yes	
AC coil operating Rated AC voltage at 60		V	575	
AC operating voltage	UI IZ	V	373	
rio oporating voltago	of 60Hz coil powered at 60Hz			
	pick-up			
	min	%Us	80	
	max	%Us	110	
	drop-out			
	min	%Us	20	
AC average asil sersi	max	%Us	55	
AC average coil consu	of 60Hz coil powered at 60Hz			
	in-rush	VA	75	
	holding	VA	9	
Dissipation at holding :		W	2.5	
Max cycles frequency				
Mechanical operation		cycles/h	3600	
Operating times				
Average time for Us co				
	in AC			



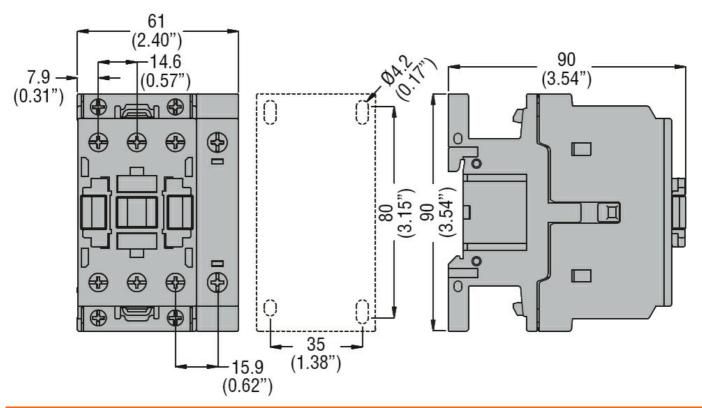


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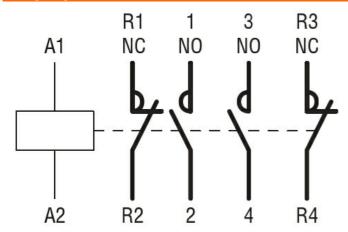
	Closing NO			
	3	min	ms	8
		max	ms	24
	Opening NO			
	- Farming 1.12	min	ms	5
		max	ms	15
	Closing NC			. •
	Glooming I to	min	ms	11
		max	ms	29
	Opening NC	max	1110	20
	Opening No	min	ms	6
		max	ms	14
UL technical data		Παλ	1115	14
	for three phase AC mater			
ruil-ioad current (FLA)	for three-phase AC motor	-4 400\	^	04
		at 480V	A	21
		at 600V	Α	22
Yielded mechanical pe				
	for single-phase AC motor			
		110/120V	HP	2
		230V	HP	5
	for three-phase AC motor			
		200/208V	HP	7.5
		220/230V	HP	7.5
		460/480V	HP	15
		575/600V	HP	20
General USE				_
	Contactor			
		AC current	Α	45
Ambient conditions		7 to carron	, ,	10
Temperature				
Tomporatare	Operating temperature			
	Operating temperature	min	°C	-50
			°C	-30 70
	Otana na tanan anatuna	max	C	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