

FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 45A, DC COIL LOW CONSUMPTION, 48VDC, 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			0.5
	min	Hz	25
IFO Comment and free sinth annual arrespond the	max	Hz	400
IEC Conventional free air thermal current Ith		Α	45
Operational current le	10.4 (440%0)	^	45
	AC-1 (≤40°C)	A	45
	AC-1 (≤55°C)	A	36
	AC-1 (≤70°C)	A	32
	AC-3 (≤440V ≤55°C)	A	26
D-td	AC-4 (400V)	Α	11.5
Rated operational power AC-1 (T≤40°C)	0001/	1.347	47
	230V	kW	17
	400V	kW	30
	500V	kW	37
Chart time allowable augreent for 100 (IEC/ENG0047.1)	690V	kW A	51 210
Short-time allowable current for 10s (IEC/EN60947-1) Protection fuse		A	210
Protection luse	~C (IFC)	۸	50
	gG (IEC) aM (IEC)	A	32
Making capacity (RMS value)	alvi (IEC)	A 	260
		A	200
Breaking capacity at voltage	440V	۸	208
	500V	A A	184
	690V	A	168
Resistance per pole (average value)	090 V	mΩ	2
Power dissipation per pole (average value)		11122	
1 Owor dissipation per pole (average value)	Ith	W	4
	AC-3	W	1.4
Tightening torque for terminals	AC-3	V V	1.4
rightening torque for terminals	min	Nm	2.5
	max	Nm	3
	min	Ibin	1.8
	max	lbin	2.2
Tightening torque for coil terminal	IIIdA	15111	
riginorming torque for contentinual	min	Nm	0.8
	max	Nm	1
	min	lbin	0.8
	max	lbin	0.74
Max number of wires simultaneously connectable	max	Nr.	2



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Conductor section	AMO // il		
	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		
	min	mm²	1
	max	mm²	10
Power terminal protect	tion according to IEC/EN 60529		IP20 when properly wired
Mechanical features			
Operating position			
	normal		Vertical plan
	allowable		±30°
Fixing			Screw / DIN rail 35mm
Weight		g	670
Conductor section			
	AWG/kcmil conductor section		_
0	max		6
Operations Machaniae His		ovelee.	20000000
Mechanical life Electrical life		cycles	20000000 1600000
Safety related data		cycles	1600000
	Od according to EN/ISO 13489-1		
	rated load	cycles	1600000
	mechanical load	cycles	20000000
Mirror contats according	ng to IEC/EN 609474-4-1	-	YES
EMC compatibility			yes
AC coil operating			
AC operating voltage			
	of 50/60Hz coil powered at 50Hz		
	drop-out	0/11	
DC coil operating	max	%Us	55
DC coil operating DC rated control voltage		V	48
DC operating voltage	y ∽	V	70
23 operating voltage	pick-up		
	min.	%Us	80
	max	%Us	110
	drop-out		
	min	%Us	10
	max	%Us	40
Average coil consump			
	in-rush	W	2.4
	holding	W	2.4
Max cycles frequency		a l /l	2000
Mechanical operation		cycles/h	3600
Operating times			

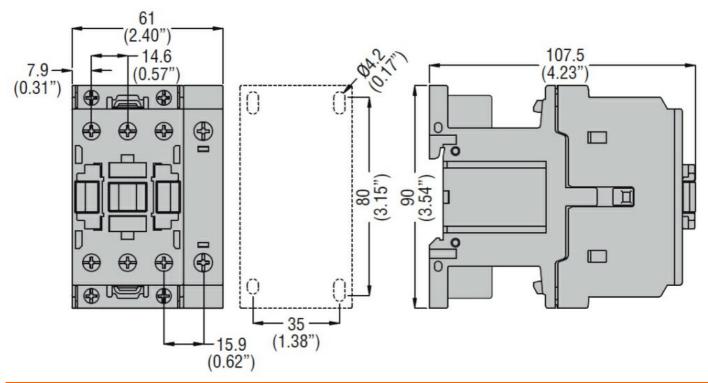


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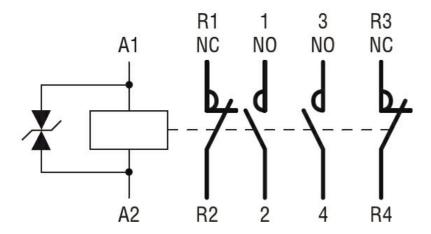
Average time for Us co	ontrol				
	in AC				
		Closing NO			
			min	ms	8
			max	ms	24
		Opening NO			_
			min	ms	5
		Olassia a NO	max	ms	15
		Closing NC	min		0
			min	ms	9 20
		Opening NC	max	ms	20
		Opening NC	min	ms	9
			max	ms	17
	in DC		max	1110	
	20	Closing NO			
		Glooming 110	min	ms	76
			max	ms	92
		Opening NO			
			min	ms	16
			max	ms	20
		Closing NC			
			min	ms	25
			max	ms	31
		Opening NC			
			min	ms	63
			max	ms	71
III to obnigal data					
UL technical data					
Full-load current (FLA)	for three-phase AC m	otor			
	for three-phase AC m	otor	at 480V	A	21
Full-load current (FLA)		otor	at 480V at 600V	A A	21 22
	erformance				
Full-load current (FLA)			at 600V	Α	22
Full-load current (FLA)	erformance		at 600V 110/120V	A HP	22
Full-load current (FLA)	erformance for single-phase AC	motor	at 600V	Α	22
Full-load current (FLA)	erformance	motor	at 600V 110/120V 230V	A HP HP	22 2 5
Full-load current (FLA)	erformance for single-phase AC	motor	at 600V 110/120V 230V 200/208V	HP HP	22 2 5 7.5
Full-load current (FLA)	erformance for single-phase AC	motor	at 600V 110/120V 230V 200/208V 220/230V	HP HP HP	22 2 5 7.5 7.5
Full-load current (FLA)	erformance for single-phase AC	motor	at 600V 110/120V 230V 200/208V 220/230V 460/480V	HP HP HP HP	22 2 5 7.5 7.5 15
Full-load current (FLA) Yielded mechanical pe	erformance for single-phase AC	motor	at 600V 110/120V 230V 200/208V 220/230V	HP HP HP	22 2 5 7.5 7.5
Full-load current (FLA)	erformance for single-phase AC for three-phase AC n	motor	at 600V 110/120V 230V 200/208V 220/230V 460/480V	HP HP HP HP	22 2 5 7.5 7.5 15
Full-load current (FLA) Yielded mechanical pe	erformance for single-phase AC	motor	at 600V 110/120V 230V 200/208V 220/230V 460/480V 575/600V	HP HP HP HP HP	22 5 7.5 7.5 15 20
Full-load current (FLA) Yielded mechanical pe	erformance for single-phase AC for three-phase AC n	motor	at 600V 110/120V 230V 200/208V 220/230V 460/480V	HP HP HP HP	22 2 5 7.5 7.5 15
Yielded mechanical pe	erformance for single-phase AC for three-phase AC n	motor	at 600V 110/120V 230V 200/208V 220/230V 460/480V 575/600V	HP HP HP HP HP	22 5 7.5 7.5 15 20
Full-load current (FLA) Yielded mechanical per General USE Ambient conditions	erformance for single-phase AC for three-phase AC n	motor	at 600V 110/120V 230V 200/208V 220/230V 460/480V 575/600V	HP HP HP HP HP	22 5 7.5 7.5 15 20
Full-load current (FLA) Yielded mechanical per General USE Ambient conditions	for single-phase AC for three-phase AC n	motor	at 600V 110/120V 230V 200/208V 220/230V 460/480V 575/600V	HP HP HP HP HP	22 5 7.5 7.5 15 20
Full-load current (FLA) Yielded mechanical per General USE Ambient conditions	for single-phase AC for three-phase AC n	motor	at 600V 110/120V 230V 200/208V 220/230V 460/480V 575/600V AC current	HP HP HP HP HP	22 5 7.5 7.5 15 20
Full-load current (FLA) Yielded mechanical per General USE Ambient conditions	for single-phase AC for three-phase AC n	motor	at 600V 110/120V 230V 200/208V 220/230V 460/480V 575/600V AC current	HP HP HP HP HP	22 5 7.5 7.5 15 20 45
Full-load current (FLA) Yielded mechanical per General USE Ambient conditions	for single-phase AC for three-phase AC n Contactor Operating temperatu	motor	at 600V 110/120V 230V 200/208V 220/230V 460/480V 575/600V AC current	HP HP HP HP HP	22 2 5 7.5 7.5 15 20 45 -50 70 -60
Full-load current (FLA) Yielded mechanical per General USE Ambient conditions Temperature	for single-phase AC for three-phase AC n Contactor Operating temperatu	motor	at 600V 110/120V 230V 200/208V 220/230V 460/480V 575/600V AC current min max	HP HP HP HP HP	22 2 5 7.5 7.5 15 20 45 -50 70 -60 80
Full-load current (FLA) Yielded mechanical per General USE Ambient conditions Temperature	for single-phase AC not single-phase AC not single-phase AC not see an arrangement of the single-phase AC not see an arrangement of the single-phase AC not see a single-phase	motor	at 600V 110/120V 230V 200/208V 220/230V 460/480V 575/600V AC current min max	HP HP HP HP HP	22 2 5 7.5 7.5 15 20 45 -50 70 -60
Full-load current (FLA) Yielded mechanical per General USE Ambient conditions Temperature	for single-phase AC not single-phase AC not single-phase AC not see an arrangement of the single-phase AC not see an arrangement of the single-phase AC not see a single-phase	motor	at 600V 110/120V 230V 200/208V 220/230V 460/480V 575/600V AC current min max	A HP HP HP HP HP C C C C C C C C C C C C	22 2 5 7.5 7.5 15 20 45 -50 70 -60 80



Dimensions



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