

FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 45A, AC COIL 50/60HZ, 24VAC, 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)		mΩ	2
Power dissipation per pole (average value)			
	Ith	W	4
	AC-3	W	1.4
Tightening torque for terminals			
	min	Nm	2.5
	max	Nm	3
	min	Ibin	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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AWG/Kcmil					
Flexible w/o lug conductor section	Conductor section				
Flexible w/o lug conductor section					
Flexible c/w lug conductor section			ıx		6
Plexible c/w lug conductor section		_	in	mm²	25
Flexible c/w lug conductor section min mm² 1 1 1 1 1 1 1 1 1					
Per Per					
Flexible with insulated spade lug conductor section			in	mm²	1
Minimax			ıx	mm²	10
Power terminal protection according to IEC/EN 60529 Power terminal protection allowable Power terminal protection Power terminal protection		•	2		
Power terminal protection according to IEC/EN 60529 IP20 when properly wired					
Property wired Property Propert			ıx	ШП	
Mechanical features Operating position Inormal allowable Inormal allowable Inormal allowable Inormal allowable Inormal allowable Inormal Inormal allowable Inormal I	Power terminal protect	tion according to IEC/EN 60529			
Normal allowable Series Period plan 1908	Mechanical features				
Fixing Screw / DIN rail Sc	Operating position				
Screw / DIN rail 35mm 35mm					•
Meight		allowab	е		
AWG/kcmil conductor section max					35mm
AWG/kcmil conductor section max				g	516
Operations Mechanical life cycles 20000000 Electrical life cycles 1600000 Safety related data Performance level B10d according to EN/ISO 13489-1 rated load cycles 1600000 Mirror contats according to IEC/EN 609474-4-1 rated load cycles 20000000 Mirror contats according to IEC/EN 609474-4-1 yes AC coll according to IEC/EN 609474-4-1 min %US 80 AC coll according to IE	Conductor section	ANA/O/learneil and described			
Operations Mechanical life cycles 20000000 Electrical life cycles 1600000 Safety related data Performance level B10d according to EN/ISO 13489-1 Mirror contats according to IEC/EN 609474-4-1 rated load mechanical load cycles 20000000 Mirror contats according to IEC/EN 609474-4-1 yes EMC compatibility yes AC coil operating Rated AC voltage at 50/60Hz V 24 AC operating voltage min while will be will b			v		6
Mechanical life cycles 20000000	Operations	IIIc	ı.x		0
Electrical life	•		(cycles	20000000
Performance level B10d according to EN/ISO 13489-1 rated load mechanical load vycles 1600000 mechanical load vycles 200000000	Electrical life				1600000
Rated load Cycles 1600000 Mirror contats according to IEC/EN 609474-4-1 YES	-				
Mirror contats according to IEC/EN 609474-4-1 YES	Performance level B1	-			
Mirror contats according to IEC/EN 609474-4-1 EMC compatibility AC coil operating Rated AC voltage at 50/60Hz Of 50/60Hz coil powered at 50Hz pick-up min %Us 80 max %Us 110 drop-out min %Us 20 max %Us 55 of 50/60Hz coil powered at 60Hz pick-up min %Us 85 max %Us 110 drop-out min %Us 85 max %Us 110 drop-out min %Us 85 max %Us 110 drop-out min %Us 85 max %Us 155 AC average coil consumption at 20°C of 50/60Hz coil powered at 50Hz in-rush VA 75				-	
EMC compatibility AC coil operating Rated AC voltage at 50/60Hz Of 50/60Hz coil powered at 50Hz pick-up min %Us 80 max %Us 110 drop-out min %Us 20 max %Us 55 of 50/60Hz coil powered at 60Hz pick-up min %Us 85 max %Us 110 drop-out min %Us 20 max %Us 55 AC average coil consumption at 20°C of 50/60Hz coil powered at 50Hz	Mirror contate accordi		ia c	cycles	
Rated AC voltage at 50/60Hz V 24		ng to 120/210 009474-4-1			
Rated AC voltage at 50/60Hz V 24					yes
AC operating voltage of 50/60Hz coil powered at 50Hz pick-up min %Us 80 max %Us 110 drop-out min %Us 20 max %Us 55 of 50/60Hz coil powered at 60Hz pick-up min %Us 85 max %Us 110 drop-out min %Us 20 max %Us 55 AC average coil consumption at 20°C of 50/60Hz coil powered at 50Hz in-rush VA 75		0/60Hz		V	24
Pick-up min %Us 80 max %Us 110 Moreover min %Us 20 max %Us 55 Moreover min %Us 55 Moreover min %Us 55 Moreover min %Us 85 max %Us 110 Moreover min %Us 85 max %Us 110 Moreover min %Us 20 max %Us 55 Moreover min %Us 20 max %Us 55 Moreover Moreover min %Us 20 max %Us 55 Moreover Moreover					
min %Us 80 max %Us 110					
Max %Us 110		·			
drop-out min %Us 20 max %Us 55					
min %Us 20 max %Us 55			ıx	%US	110
max %Us 55			in	%Us	20
of 50/60Hz coil powered at 60Hz pick-up min %Us 85 max %Us 110 drop-out min %Us 20 max %Us 55 AC average coil consumption at 20°C of 50/60Hz coil powered at 50Hz in-rush VA 75					
min %Us 85 max %Us 110 drop-out min %Us 20 max %Us 55 AC average coil consumption at 20°C of 50/60Hz coil powered at 50Hz in-rush VA 75					
max %Us 110		pick-up			
drop-out min %Us 20 max %Us 55 AC average coil consumption at 20°C of 50/60Hz coil powered at 50Hz in-rush VA 75					
min %Us 20 max %Us 55 AC average coil consumption at 20°C of 50/60Hz coil powered at 50Hz in-rush VA 75			lΧ	%Us	110
AC average coil consumption at 20°C of 50/60Hz coil powered at 50Hz in-rush VA 75			in	0/116	20
AC average coil consumption at 20°C of 50/60Hz coil powered at 50Hz in-rush VA 75					
of 50/60Hz coil powered at 50Hz in-rush VA 75	AC average coil consi		<u>ι</u> Λ	/003	
in-rush VA 75	5 4.5.495 5011 501150	•			
holding VA 9			sh	VA	75
		holdir	g	VA	9

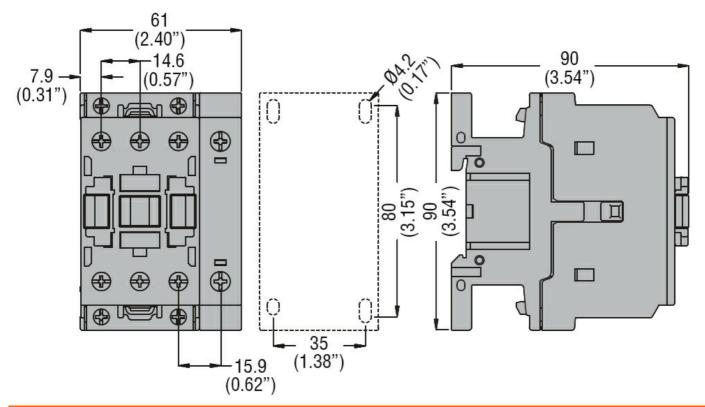


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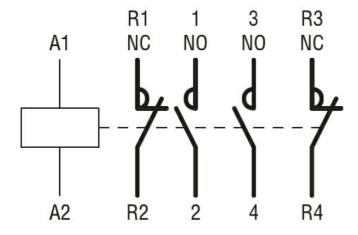
	of 50/60Hz coil powered at 60Hz			
	, 	in-rush	VA	70
		holding	VA	6.5
	of 60Hz coil powered at 60Hz	<u> </u>		
		in-rush	VA	75
		holding	VA	9
Dissipation at holding	≤20°C 50Hz		W	2.5
Max cycles frequency				
Mechanical operation			cycles/h	3600
Operating times				
Average time for Us co	ontrol			
J	in AC			
	Closing NO			
	ŭ	min	ms	8
		max	ms	24
	Opening NO			
	, 3	min	ms	5
		max	ms	15
	Closing NC			
	ŭ	min	ms	11
		max	ms	29
	Opening NC			
	1 3	min	ms	6
		max	ms	14
UL technical data				
Full-load current (FLA)	for three-phase AC motor			
		at 480V	Α	21
		at 600V	Α	22
Yielded mechanical pe	rformance			
-	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				
Temperature				
•	Operating temperature			
		min	°C	-50
		max	°C	70
	Storage temperature		-	
	9 1	min	°C	-60
		max	°C	80
Max altitude		Пах	m	3000
Resistance & Protection	on			
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