

FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 45A, DC COIL LOW CONSUMPTION, 24VDC, 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)	A	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	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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AWG/Kcmil Flexible w/o lug conductor section Flexible c/w lug conductor section Flexible c/w lug conductor section Flexible with insulated spade lug conductor section Flexibl					
Flexible w/o lug conductor section	Conductor section	ANA/C /// operil			
Flexible w/o lug conductor section		AVVG/Kcmii	may		6
Flexible c/w lug conductor section		Flexible w/o lug conductor section			0
Flexible c/w lug conductor section		r loxible w/o lag contactor coolien		mm²	2.5
Previous					
Prize Pri		Flexible c/w lug conductor section			
Flexible with insulated spade lug conductor section min mm mm 1 10 10 10 10 10			min	mm²	1
min max mm² 10 max max mm² 10 max max mm² 10 max max mm² 10 max max max mm² 10 max			max	mm²	10
Power terminal protection according to IEC/EN 60529 Power terminal protection allowable Power terminal protection		Flexible with insulated spade lug of	conductor section		
Power terminal protection according to IEC/EN 60529 IP20 when properly wired modernical features IP20 when properly wired modernical features IP20 when properly wired IP20 when properly IP					
### Property wired whether terminal protection according to IEC/EN 609474-4-1 #### EMC compatibility #### DC cold control voltage ##### DC cold control voltage ##### DC cold control voltage ##### DC cold control voltage ###################################			max	mm²	
Mechanical features	Power terminal protect	tion according to IEC/EN 60529			
Departing position	Mechanical features				properly wired
Normal allowable Series					
Screw / DIN rail 35mm DIN	1 9 F		normal		Vertical plan
Meight g 670					•
Conductor section max 6 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 cycles 20000000 Mirror contats according to IEC/EN 609474-4-1 yES EMC compatibility yes DC coil operating U rated control voltage V 24 DC operating voltage V 24 DC operating voltage V 24 DC operating voltage yes DC operating voltage V 24 DC operating voltage yes DC operating voltage yes DC operating voltage yes DC operating voltage yes DC operating voltage	Fixing				Screw / DIN rail 35mm
Conductor section max 6 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 cycles 20000000 Mirror contats according to IEC/EN 609474-4-1 yES EMC compatibility yes DC coil operating U rated control voltage V 24 DC operating voltage V 24 DC operating voltage V 24 DC operating voltage yes DC operating voltage V 24 DC operating voltage yes DC operating voltage yes DC operating voltage yes DC operating voltage yes DC operating voltage	Weight			g	670
Detail on Support of the Color of	Conductor section				
Operations Cycles 20000000 Electrical life cycles 20000000 Safety related data Performance level B10d according to EN/ISO 13489-1 rated load mechanical load cycles load mechanical load mecha		AWG/kcmil conductor section			
Mechanical life cycles 20000000 Electrical life cycles 1600000 Safety related data			max		6
Electrical life cycles 1600000 Safety related data Performance level B10d according to EN/ISO 13489-1 rated load mechanical load cycles 200000000 Mirror contats according to IEC/EN 609474-4-1 EMC compatibility yes EMC coil operating DC rated control voltage V 24 DC operating voltage pick-up min %Us 80 max %Us 110 drop-out min %Us 10 max %Us 40 Average coil consumption ≤20°C in-rush w 2.4 holding W 2.4 Max cycles frequency Mechanical operation Closing NO min ms 8	•				
Performance level B10d according to EN/ISO 13489-1 rated load cycles 1600000 mechanical load cycles 20000000 min mi				-	
Performance level B10d according to EN/ISO 13489-1 rated load cycles 1600000 mechanical load cycles 20000000 mechanical load cycles 20000000 mechanical load cycles 20000000 mechanical load cycles 20000000 mechanical load cycles				cycles	1600000
rated load cycles 1600000 mechanical load cycles 20000000 mechanical load cycles cycl		Od according to EN/ISO 12490 1			
Mirror contats according to IEC/EN 609474-4-1 YES EMC compatibility yes DC coil operating DC rated control voltage V 24 DC operating voltage Pick-up min	renomiance level bi	od according to EN/ISO 13469-1	rated load	cycles	1600000
Mirror contats according to IEC/EN 609474-4-1 EMC compatibility DC coil operating DC rated control voltage DC operating voltage pick-up min %Us 80 max %Us 110 drop-out min %Us 10 max %Us 40 Average coil consumption ≤20°C in-rush W 2.4 holding W 2.4 Max cycles frequency Mechanical operation Operating times Average time for Us control in AC Closing NO min ms 8				•	
EMC compatibility DC coil operating DC rated control voltage DC operating voltage min	Mirror contats accordi	ng to IEC/EN 609474-4-1	meenamean lead	0,0.00	
DC coil operating DC rated control voltage DC operating voltage pick-up		<u> </u>			
DC operating voltage pick-up min %Us 80 max %Us 110 drop-out min %Us 10 max %Us 40 Average coil consumption ≤20°C in-rush W 2.4 holding W 2.4 Max cycles frequency Mechanical operation Cycles/h 3600 Operating times Average time for Us control in AC Closing NO min ms 8	DC coil operating				
pick-up	DC rated control volta	ge		V	24
min %Us 80 max %Us 110	DC operating voltage				
max %Us 110		pick-up			
drop-out min %Us 10 max %Us 40 Average coil consumption ≤20°C in-rush W 2.4 holding W 2.4 Max cycles frequency Mechanical operation cycles/h 3600 Operating times Average time for Us control in AC Closing NO min ms 8			min		
min %Us 10 max %Us 40 Average coil consumption ≤20°C in-rush W 2.4 holding W 2.4 Max cycles frequency Mechanical operation cycles/h 3600 Operating times Average time for Us control in AC Closing NO min ms 8			max	%Us	110
Average coil consumption ≤20°C in-rush w 2.4 holding w 2.4 Max cycles frequency w 2.4 Mechanical operation cycles/h 3600 Operating times Average time for Us control in AC closing NO Closing NO min ms 8		drop-out	<u>.</u>	0/17	4.0
Average coil consumption ≤20°C in-rush W 2.4 holding W 2.4 Max cycles frequency Mechanical operation cycles/h 3600 Operating times Average time for Us control in AC Closing NO min ms 8					
in-rush W 2.4 holding W 2.4 Max cycles frequency Mechanical operation cycles/h 3600 Operating times Average time for Us control in AC Closing NO min ms 8	Avorage sail caracters	tion <20°C	max	%US	40
Max cycles frequency Mechanical operation Operating times Average time for Us control in AC Closing NO min ms 8	Average con consump	11011 ≥20 C	in much	۱۸/	2.4
Max cycles frequency Mechanical operation cycles/h 3600 Operating times Average time for Us control in AC Closing NO min ms 8					
Mechanical operation cycles/h 3600 Operating times Average time for Us control in AC Closing NO min ms 8	Max cycles frequency		Holding	v V	۷.٦
Operating times Average time for Us control				cycles/h	3600
Average time for Us control in AC Closing NO min ms 8				5,5150/11	
in AC Closing NO min ms 8		ontrol			
Closing NO min ms 8	5				
min ms 8			0		
max ms 24		· ·		ms	8
			max	ms	24



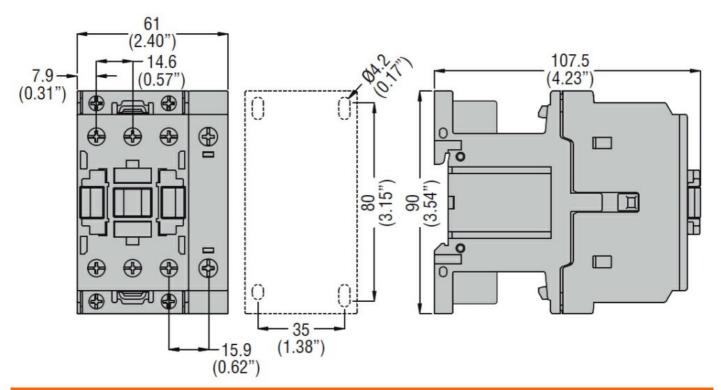


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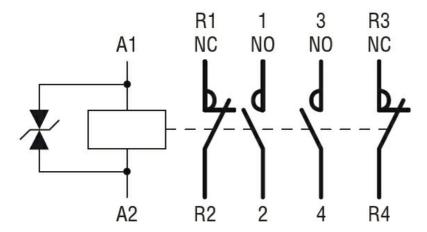
		Opening NO			
		3 -	min	ms	5
			max	ms	15
		Closing NC			
		5	min	ms	9
			max	ms	20
		Opening NC	-		
		- p	min	ms	9
			max	ms	17
	in DC				
	50	Closing NO			
		Clocking 110	min	ms	76
			max	ms	92
		Opening NO	max	1110	02
		Opening 140	min	ms	16
			max	ms	20
		Closing NC	IIIdA	1113	20
		Closing INC	min	ms	25
			max	ms	31
		Opening NC	IIIax	1113	31
		Opening NC	min	mc	63
				ms	71
UL technical data			max	ms	7 1
	for three phase AC mot	or			
rull-load current (FLA)	for three-phase AC mot	OI	at 400V	۸	24
			at 480V	A	21
Violate di se colo al se co			at 600V	Α	22
Yielded mechanical pe		-4			
	for single-phase AC m	otor	440/400/	LIB	•
			110/120V	HP	2
			230V	HP	5
	for three-phase AC mo	otor	000/000		
			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				
			min	°C	-60
			max	°C	80
Max altitude				m	3000
Resistance & Protectio	n				
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