



Product designation	Power contactor		
Product type designation	BF26		
<b>Contact characteristics</b>			
Number of poles	Nr.	4	
Rated insulation voltage $U_i$ IEC/EN	V	690	
Rated impulse withstand voltage $U_{imp}$	kV	6	
Operational frequency	min	Hz	25
	max	Hz	400
IEC Conventional free air thermal current $I_{th}$	A	45	
Operational current $I_e$	AC-1 ( $\leq 40^\circ\text{C}$ ) A 45 AC-1 ( $\leq 55^\circ\text{C}$ ) A 36 AC-1 ( $\leq 70^\circ\text{C}$ ) A 32 AC-3 ( $\leq 440\text{V} \leq 55^\circ\text{C}$ ) A 26 AC-4 (400V) A 11.5		
Rated operational power AC-1 ( $T \leq 40^\circ\text{C}$ )	230V	kW	17
	400V	kW	30
	500V	kW	37
	690V	kW	51
Short-time allowable current for 10s (IEC/EN60947-1)	A	210	
Protection fuse	gG (IEC) A 50 aM (IEC) A 32		
Making capacity (RMS value)	A	260	
Breaking capacity at voltage	440V	A	208
	500V	A	184
	690V	A	168
Resistance per pole (average value)	mΩ	2	
Power dissipation per pole (average value)	I <sub>th</sub>	W	4
	AC-3	W	1.4
Tightening torque for terminals	min	Nm	2.5
	max	Nm	3
	min	Ibin	1.8
	max	Ibin	2.2
Tightening torque for coil terminal	min	Nm	0.8
	max	Nm	1
	min	Ibin	0.8
	max	Ibin	0.74
Max number of wires simultaneously connectable	Nr.	2	

Conductor section

AWG/Kcmil	max	6
Flexible w/o lug conductor section	min	mm <sup>2</sup> 2.5
	max	mm <sup>2</sup> 16
Flexible c/w lug conductor section	min	mm <sup>2</sup> 1
	max	mm <sup>2</sup> 10
Flexible with insulated spade lug conductor section	min	mm <sup>2</sup> 1
	max	mm <sup>2</sup> 10

Power terminal protection according to IEC/EN 60529

IP20 when  
properly wired

**Mechanical features**

Operating position

normal	allowable	Vertical plan ±30°
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Fixing

Screw / DIN rail  
35mm

Weight

g 660

**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
mechanical load	cycles	20000000

EMC compatibility

yes

**DC coil operating**

DC rated control voltage

V 24

DC operating voltage

pick-up

min	%Us	80
max	%Us	125

drop-out

min	%Us	10
max	%Us	40

Average coil consumption ≤20°C

in-rush	W	5.4
holding	W	5.4

**Max cycles frequency**

Mechanical operation

cycles/h 3600

**Operating times**

Average time for Us control

in AC

Closing NO

min	ms	8
max	ms	24

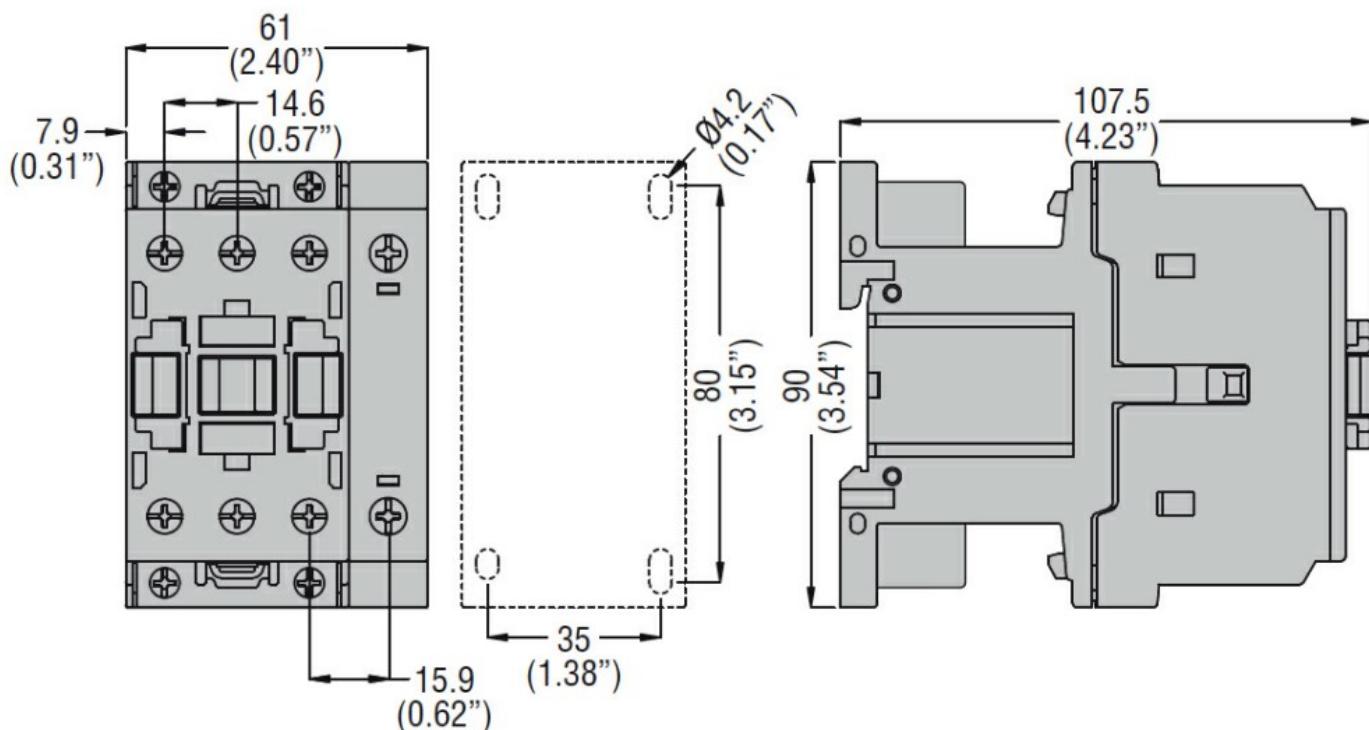
Opening NO

min	ms	5
max	ms	15

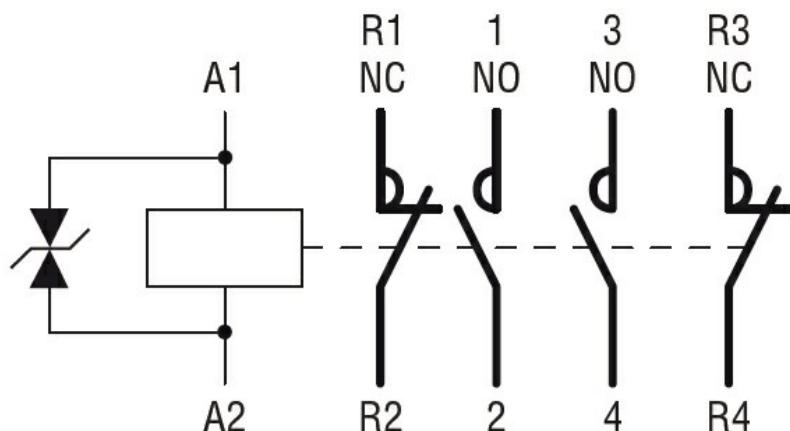
Closing NC

min	ms	9
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		max	ms	20
	Opening NC	min	ms	9
		max	ms	17
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in DC				
	Closing NO	min	ms	54
		max	ms	66
	Opening NO	min	ms	14
		max	ms	17
	Closing NC	min	ms	23
		max	ms	28
	Opening NC	min	ms	46
		max	ms	56
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<b>UL technical data</b>				
Rated operational voltage AC (UL)			V	600
Full-load current (FLA) for three-phase AC motor				
	at 480V	A	21	
	at 600V	A	22	
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Yielded mechanical performance				
for single-phase AC motor				
	110/120V	HP	2	
	230V	HP	5	
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for three-phase AC motor				
	200/208V	HP	7.5	
	220/230V	HP	7.5	
	460/480V	HP	15	
	575/600V	HP	20	
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<b>General USE</b>				
Contactor				
	AC current	A	45	
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<b>Ambient conditions</b>				
Temperature				
Operating temperature				
	min	°C	-50	
	max	°C	70	
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Storage temperature				
	min	°C	-60	
	max	°C	80	
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Max altitude				
		m	3000	
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<b>Resistance &amp; Protection</b>				
Pollution degree				
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<b>Dimensions</b>				



#### 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