



Product designation	Power contactor		
Product type designation	BF26		
Contact characteristics			
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 (≤40°C)	A	45
	AC-1 (≤55°C)	A	36
	AC-1 (≤70°C)	A	32
	AC-3 (≤440V ≤55°C)	A	26
	AC-4 (400V)	A	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)	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 _{th}	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	

Conductor section

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

Power terminal protection according to IEC/EN 60529

IP20 when properly wired

Mechanical features

Operating position

normal allowable Vertical plan ±30°

Fixing

Screw / DIN rail 35mm

Weight

g 508

Conductor section

AWG/kcmil conductor section			max	6
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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

Mirror contacts according to IEC/EN 60947-4-1

YES

EMC compatibility

yes

AC coil operating

Rated AC voltage at 50/60Hz

V 110

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
holding VA 9

of 50/60Hz coil powered at 60Hz

in-rush	VA	70
holding	VA	6.5

of 60Hz coil powered at 60Hz

in-rush	VA	75
holding	VA	9

Dissipation at holding $\leq 20^{\circ}\text{C}$ 50Hz

W	2.5
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Max cycles frequency

Mechanical operation

cycles/h	3600
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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	11
max	ms	29

Opening NC

min	ms	6
max	ms	14

UL technical data

Full-load current (FLA) for three-phase AC motor

at 480V	A	21
at 600V	A	22

Yielded mechanical performance

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	A	45
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Ambient conditions

Temperature

Operating temperature

min	$^{\circ}\text{C}$	-50
max	$^{\circ}\text{C}$	70

Storage temperature

min	$^{\circ}\text{C}$	-60
max	$^{\circ}\text{C}$	80

Max altitude

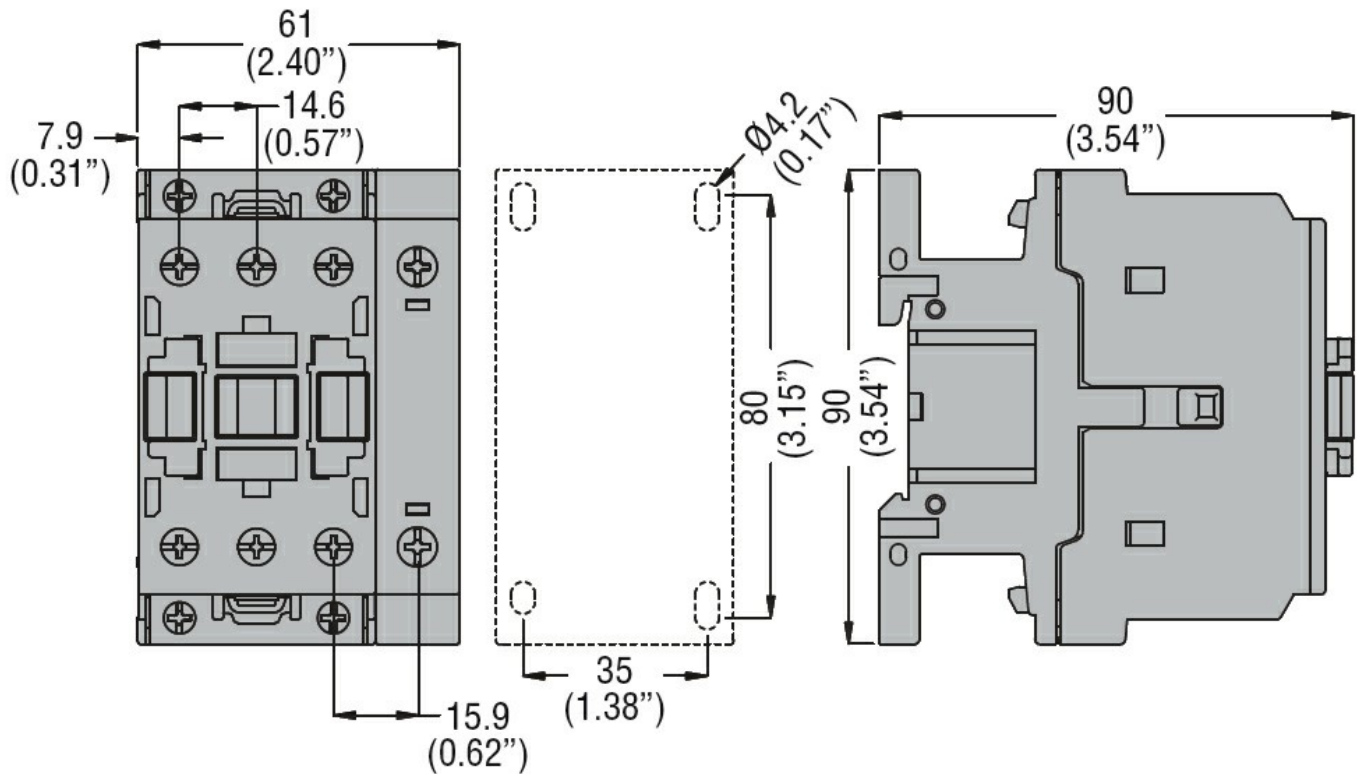
m	3000
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Resistance & Protection

Pollution degree

3

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