



Product designation				Power contactor
Product type designation				BF26
<b>Contact characteristics</b>				
Number of poles	Nr.			4
Rated insulation voltage U <sub>i</sub> IEC/EN	V			690
Rated impulse withstand voltage U <sub>imp</sub>	kV			6
Operational frequency	min	Hz		25
	max	Hz		400
IEC Conventional free air thermal current I <sub>th</sub>	A			45
Operational current I <sub>e</sub>	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 <sub>th</sub>	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 <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
<b>Mechanical features</b>			
Operating position			
		normal allowable	Vertical plan ±30°
Fixing			Screw / DIN rail 35mm
Weight			g 490
Conductor section			
AWG/kcmil conductor section		max	6
<b>Operations</b>			
Mechanical life		cycles	20000000
Electrical life		cycles	1600000
<b>Safety related data</b>			
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
<b>AC coil operating</b>			
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

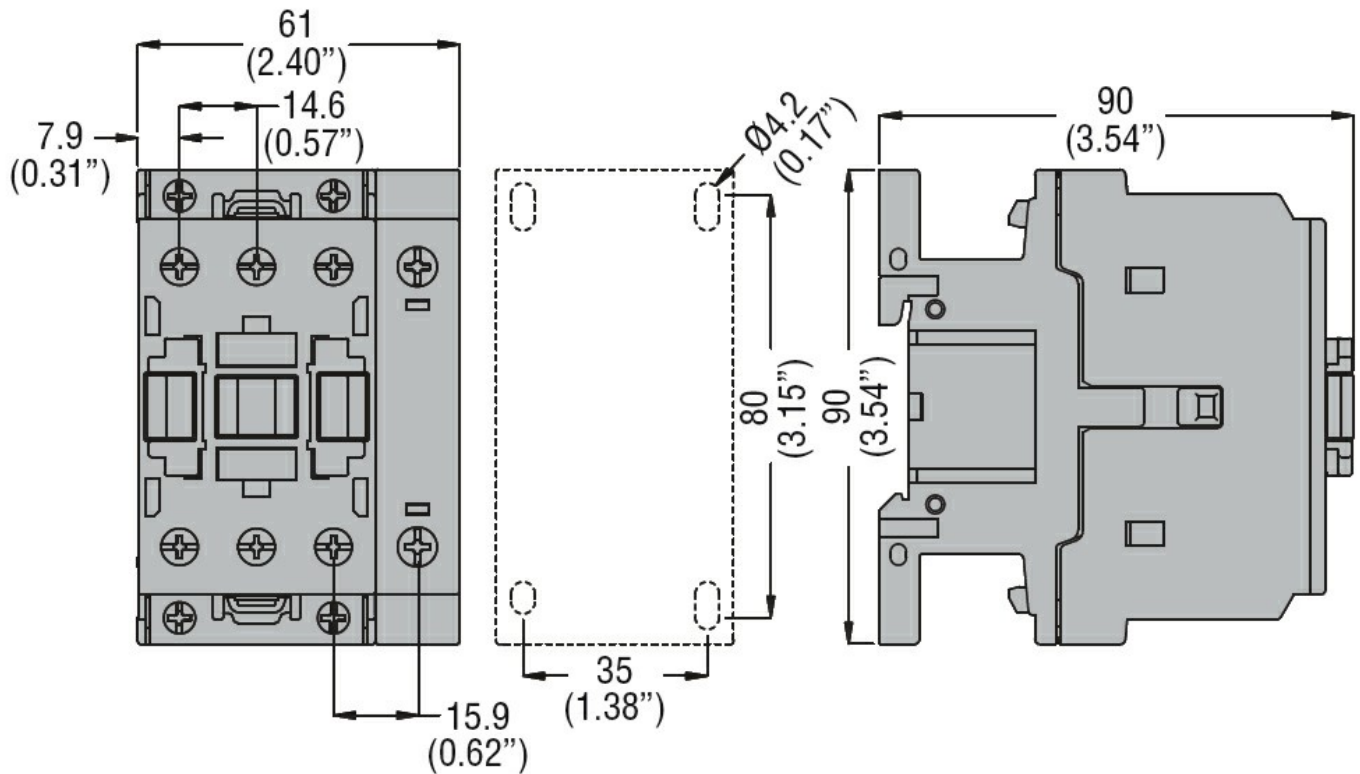
m	3000
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**Resistance & Protection**

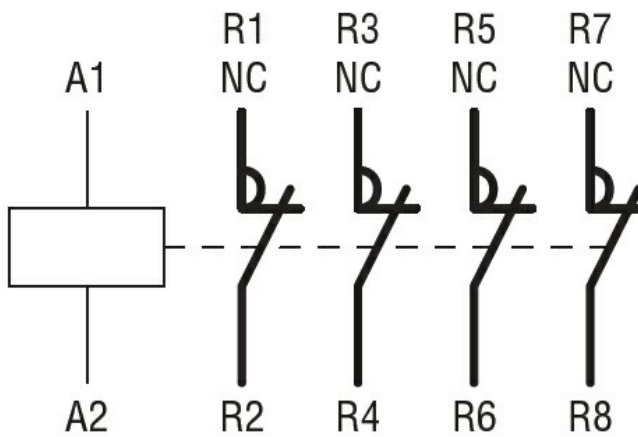
Pollution degree

3
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**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