



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	A	45
Operational current Ie	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)	m Ω	2
Power dissipation per pole (average value)	Ith	W 4
	AC3	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 wired	
Mechanical features					
Operating position	normal allowable			Vertical plan ±30°	
Fixing				Screw / DIN rail 35mm	
Weight				g	520
Conductor section	AWG/kcmil 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 mechanical load			cycles	1600000
				cycles	20000000
Mirror contats according to IEC/EN 60947-4-1				YES	
EMC compatibility				yes	
AC coil operating					
Rated AC voltage at 50/60Hz				V	48
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 holding	VA 75
					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

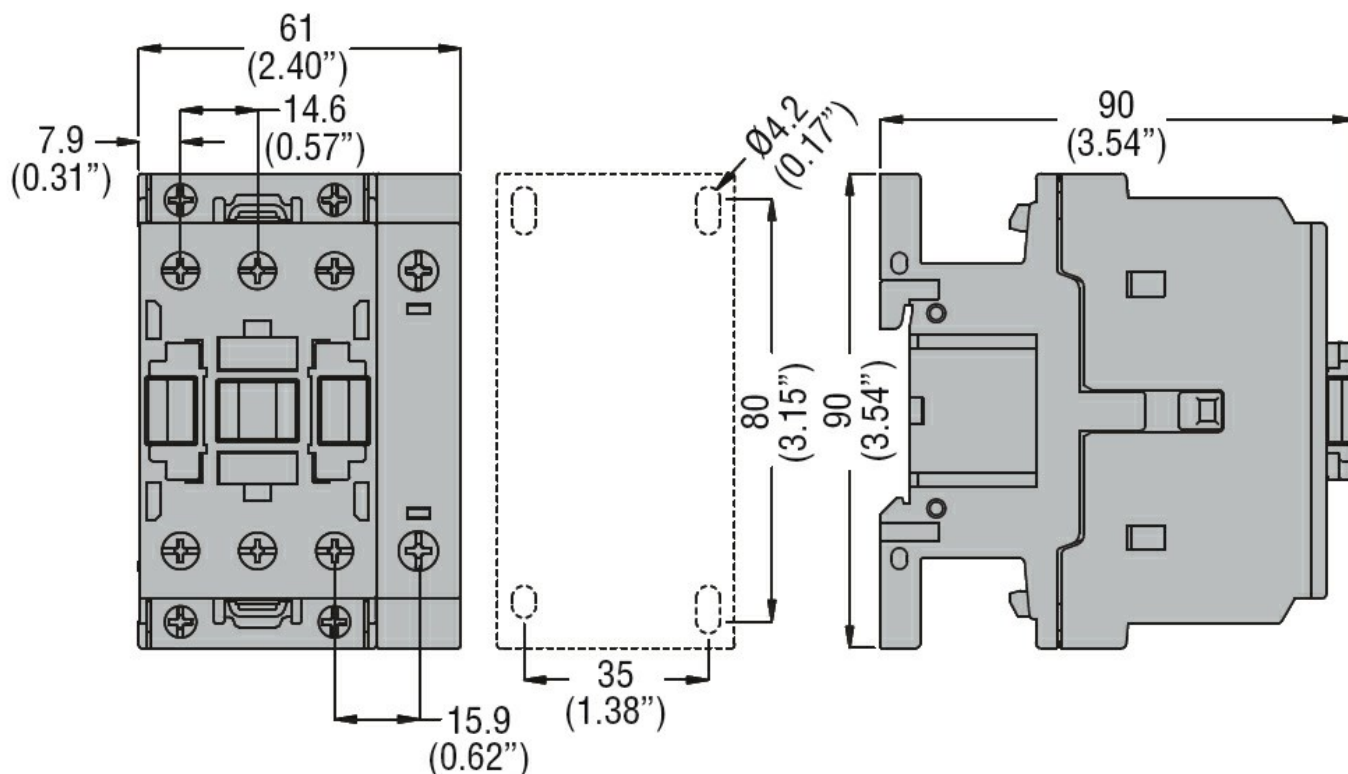
m	3000
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Resistance & Protection

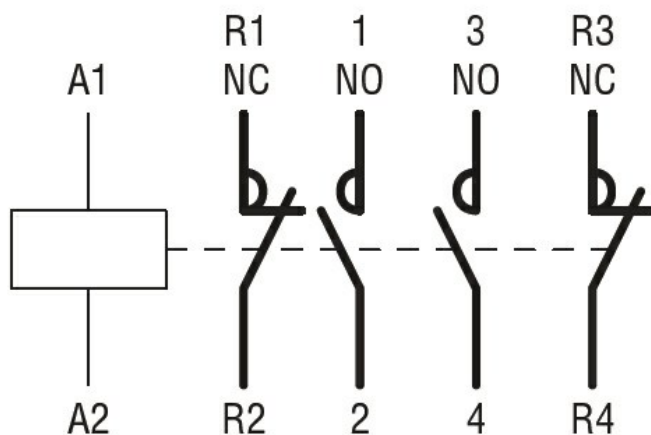
Pollution degree

3

Dimensions



Wiring diagrams



Certifications and compliance

Compliance

CSA C22.2 n° 60947-1
CSA C22.2 n° 60947-4-1
IEC/EN 60947-1
IEC/EN 60947-4-1
UL 60947-1
UL 60947-4-1

Certificates

CCC
cULus
EAC

ETIM classification

ETIM 8.0

EC000066 -
Power contactor,
AC switching