



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 ($\leq 40^{\circ}\text{C}$)	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 _{th}	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 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	504

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

AC coil operating

Rated AC voltage at 60Hz	V	230
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AC operating voltage

of 60Hz coil powered at 60Hz			
pick-up	min	%Us	80
	max	%Us	110
drop-out	min	%Us	20
	max	%Us	55

AC average coil consumption at 20°C

of 60Hz coil powered at 60Hz	in-rush	VA	75
	holding	VA	9

Dissipation at holding ≤20°C 50Hz

W 2.5

Max cycles frequency

cycles/h 3600

Mechanical operation

Operating times			
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Average time for Us control

in AC	Closing NO	min	ms	8
		max	ms	24
	Opening NO	min	ms	5

Closing NC	max	ms	15
	min	ms	11
Opening NC	max	ms	29
	min	ms	6
	max	ms	14

UL technical data

Rated operational voltage AC (UL)	V	600
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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	°C	-50
max	°C	70

Storage temperature

min	°C	-60
max	°C	80

Max altitude

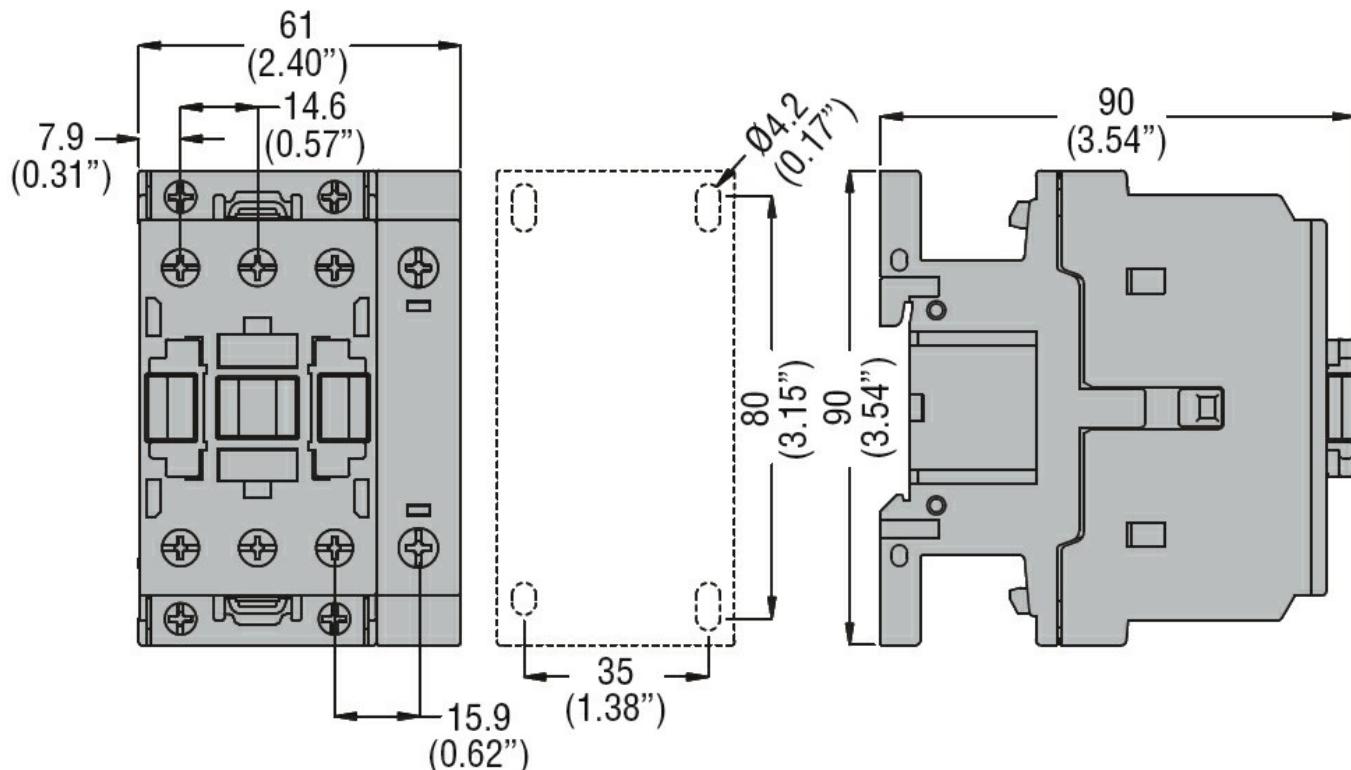
m	3000
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Resistance & Protection

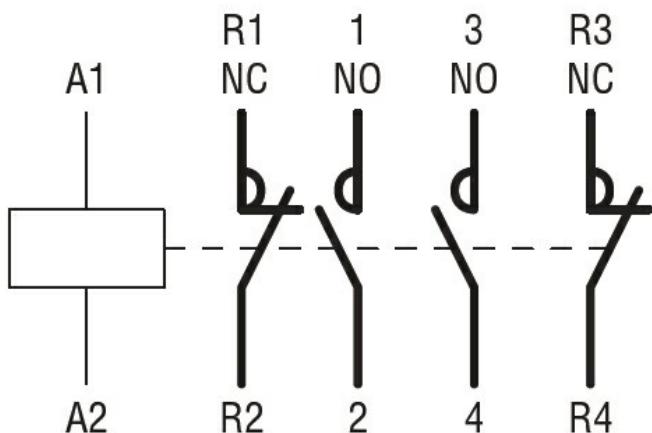
Pollution degree

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