



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)	m?	2	
Power dissipation per pole (average value)	I_{th}	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	Vertical plan
allowable	±30°

Fixing

Screw / DIN rail
35mm

Weight

g 660

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	cycles	1600000
mechanical load	cycles	20000000

Mirror contacts according to IEC/EN 609474-4-1

YES

EMC compatibility

yes

DC coil operating

DC rated control voltage	V	24
DC operating voltage		

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		

Operating times

Average time for Us control	in AC	ms	8
		ms	24

Closing NO

min ms 8
max ms 24

Opening NO

		min	ms	5
		max	ms	15
Closing NC				
		min	ms	9
		max	ms	20
Opening NC				
		min	ms	9
		max	ms	17
<hr/>				
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

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	°C	-50
max	°C	70

Storage temperature

min	°C	-60
max	°C	80

Max altitude

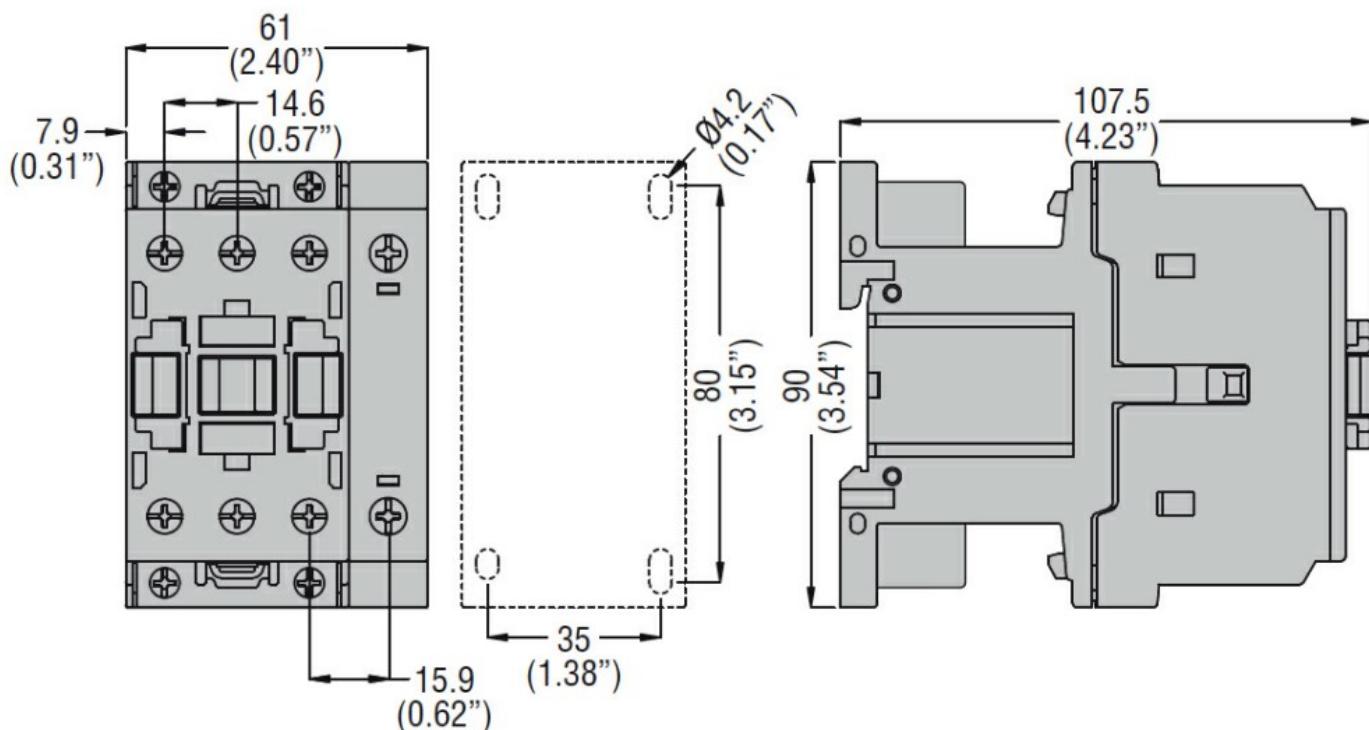
m	3000
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Resistance & Protection

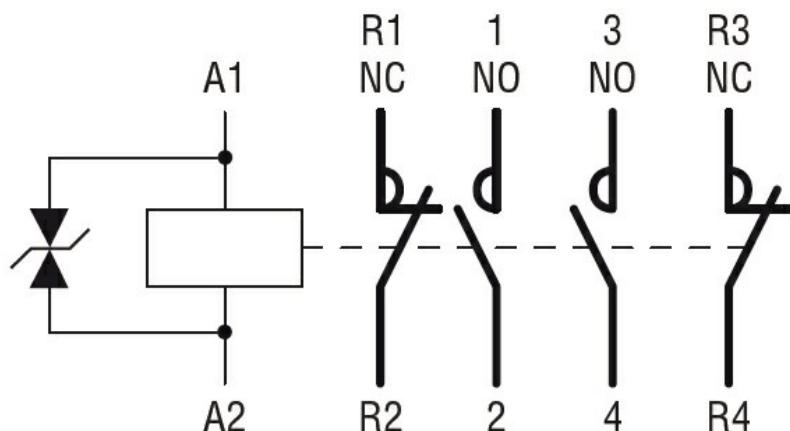
Pollution degree

3

Dimensions



Wiring diagrams



Certifications and compliance

Compliance

CSA C22.2 n° 60947-1

CSA C22.2 n° 60947-4-1

IEC/EN 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