



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
IEC max current I_e in DC1 with L/R = 1ms with 1 poles in series	=24V A	25
	48V A	21
	75V A	18
	110V A	6
	220V A	–
IEC max current I_e in DC1 with L/R = 1ms with 2 poles in series	=24V A	28
	48V A	28
	75V A	25
	110V A	22
	220V A	2
IEC max current I_e in DC1 with L/R = 1ms with 3 poles in series	=24V A	28
	48V A	28
	75V A	25
	110V A	24
	220V A	20
IEC max current I_e in DC1 with L/R = 1ms with 4 poles in series	=24V A	28
	48V A	28
	75V A	25
	110V A	24
	220V A	26

IEC max current Ie in DC3-DC5 with L/R = 15ms with 1 poles in series

=24V	A	18
48V	A	15
75V	A	13
110V	A	2
220V	A	–

IEC max current Ie in DC3-DC5 with L/R = 15ms with 2 poles in series

=24V	A	20
48V	A	20
75V	A	18
110V	A	13
220V	A	3

IEC max current Ie in DC3-DC5 with L/R = 15ms with 3 poles in series

=24V	A	25
48V	A	25
75V	A	20
110V	A	18
220V	A	19

IEC max current Ie in DC3-DC5 with L/R = 15ms with 4 poles in series

=24V	A	30
48V	A	30
75V	A	25
110V	A	20
220V	A	15

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)

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 mm² 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	668
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 contacts according to IEC/EN 60947-4-1			yes
EMC compatibility			yes
DC coil operating			
DC rated control voltage		V	24
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 holding	W	5.4
		W	5.4
Max cycles frequency			
Mechanical operation		cycles/h	3600
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	9
	max	ms	20
Opening NC			

in DC		min	ms	9
		max	ms	17
	Closing NO	min	ms	54
		max	ms	66
	Opening NO	min	ms	14
		max	ms	17

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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Short-circuit protection fuse, 600V

High fault

Short circuit current	kA	100
Fuse rating	A	100
Fuse class		J

Standard fault

Short circuit current	kA	5
Fuse rating	A	100

Ambient conditions

Temperature

Operating temperature

min	°C	-50
max	°C	70

Storage temperature

min	°C	-60
max	°C	80

Max altitude

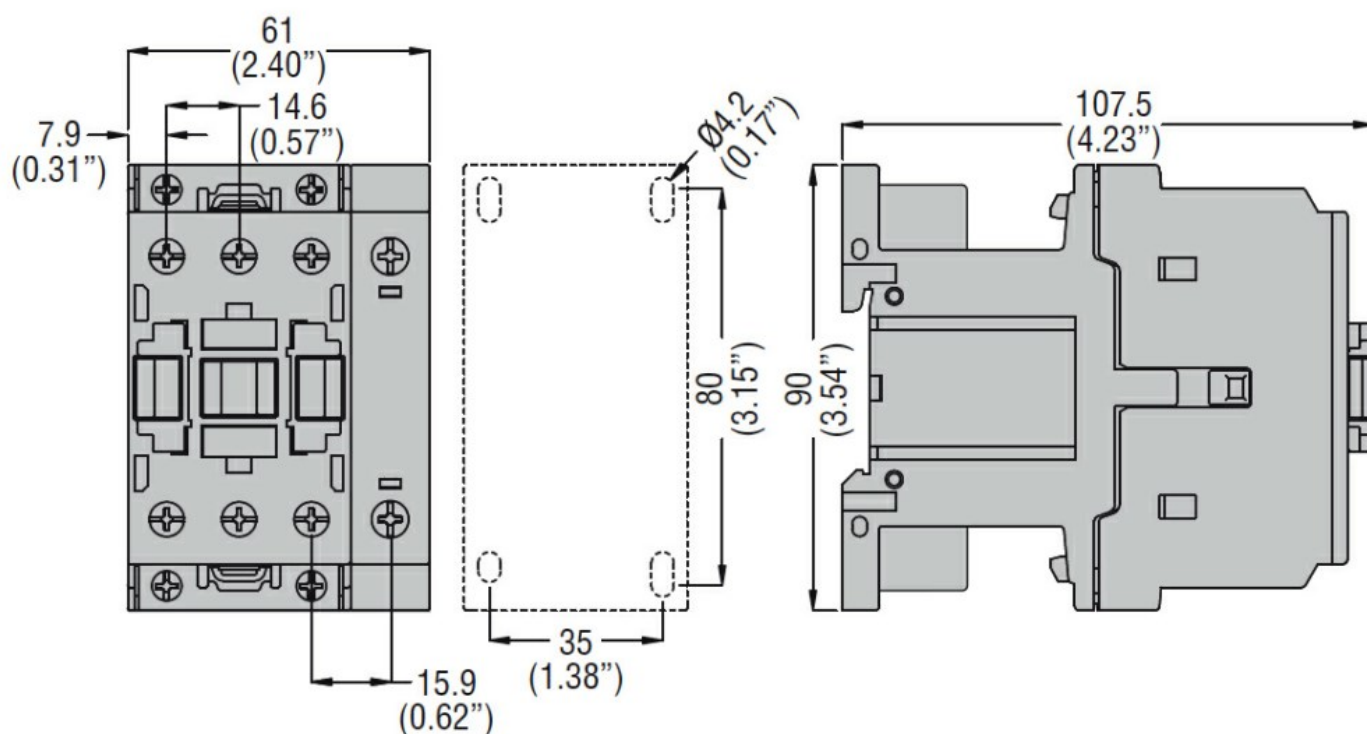
m	3000
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Resistance & Protection

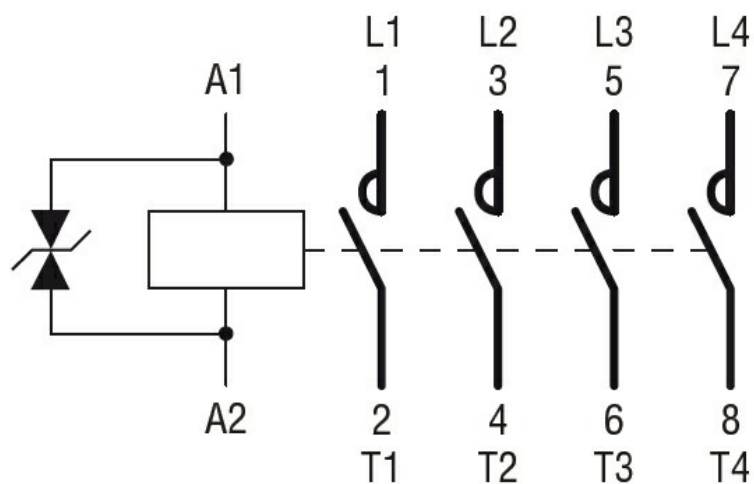
Pollution degree

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