



Product designation
Product type designation

Power contactor
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 max	Hz Hz 25 400
IEC Conventional free air thermal current I _{th}	A	45
Operational current I _e	AC-1 (≤40°C) AC-1 (≤55°C) AC-1 (≤70°C) AC-3 (≤440V ≤55°C) AC-4 (400V)	A 45 36 32 26 11.5
Rated operational power AC-1 (T≤40°C)	230V 400V 500V 690V	kW kW kW kW 17 30 37 51
Short-time allowable current for 10s (IEC/EN60947-1)	A	210
Protection fuse	gG (IEC) aM (IEC)	A A 50 32
Making capacity (RMS value)	A	260
Breaking capacity at voltage	440V 500V 690V	A A A 208 184 168
Resistance per pole (average value)	mΩ	2
Power dissipation per pole (average value)	I _{th} AC-3	W W 4 1.4
Tightening torque for terminals	min max min max	Nm Nm lbin lbin 2.5 3 1.8 2.2
Tightening torque for coil terminal	min max min max	Nm Nm lbin lbin 0.8 1 0.8 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
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 60947-4-1			YES
EMC compatibility			yes
AC coil operating			
Rated AC voltage at 60Hz		V	230
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			
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	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
------------	---	----

Ambient conditions

Temperature

Operating temperature

min	°C	-50
max	°C	70

Storage temperature

min	°C	-60
max	°C	80

Max altitude

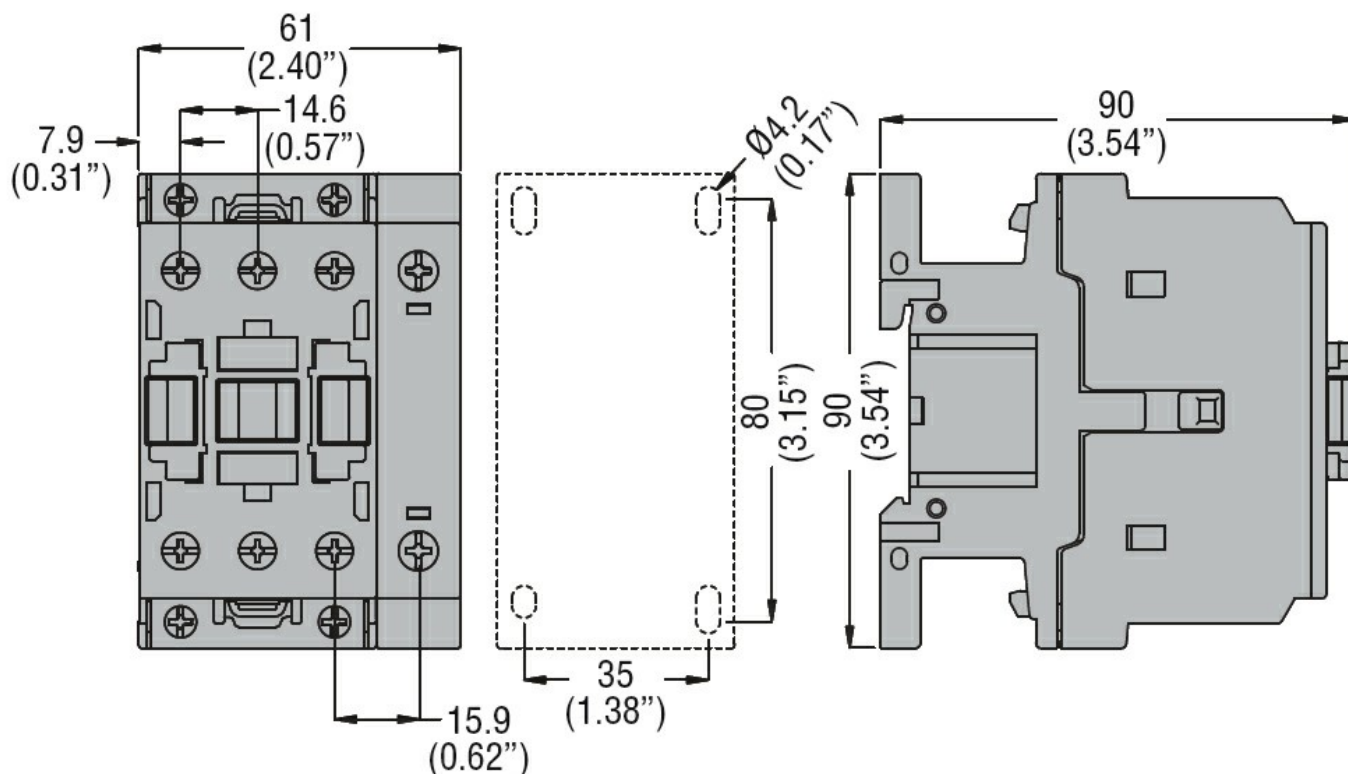
m	3000
---	------

Resistance & Protection

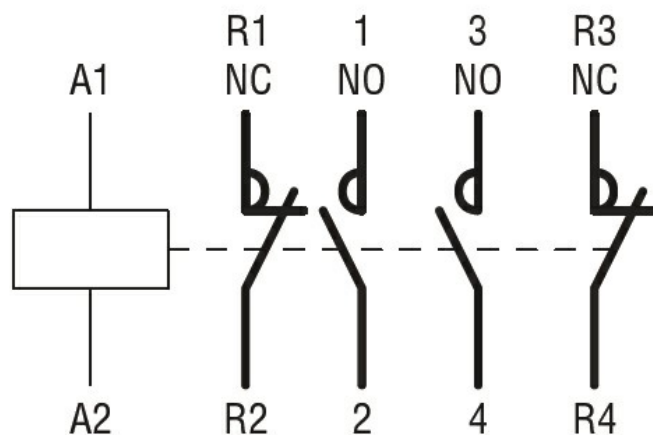
Pollution degree

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