



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)

m? 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

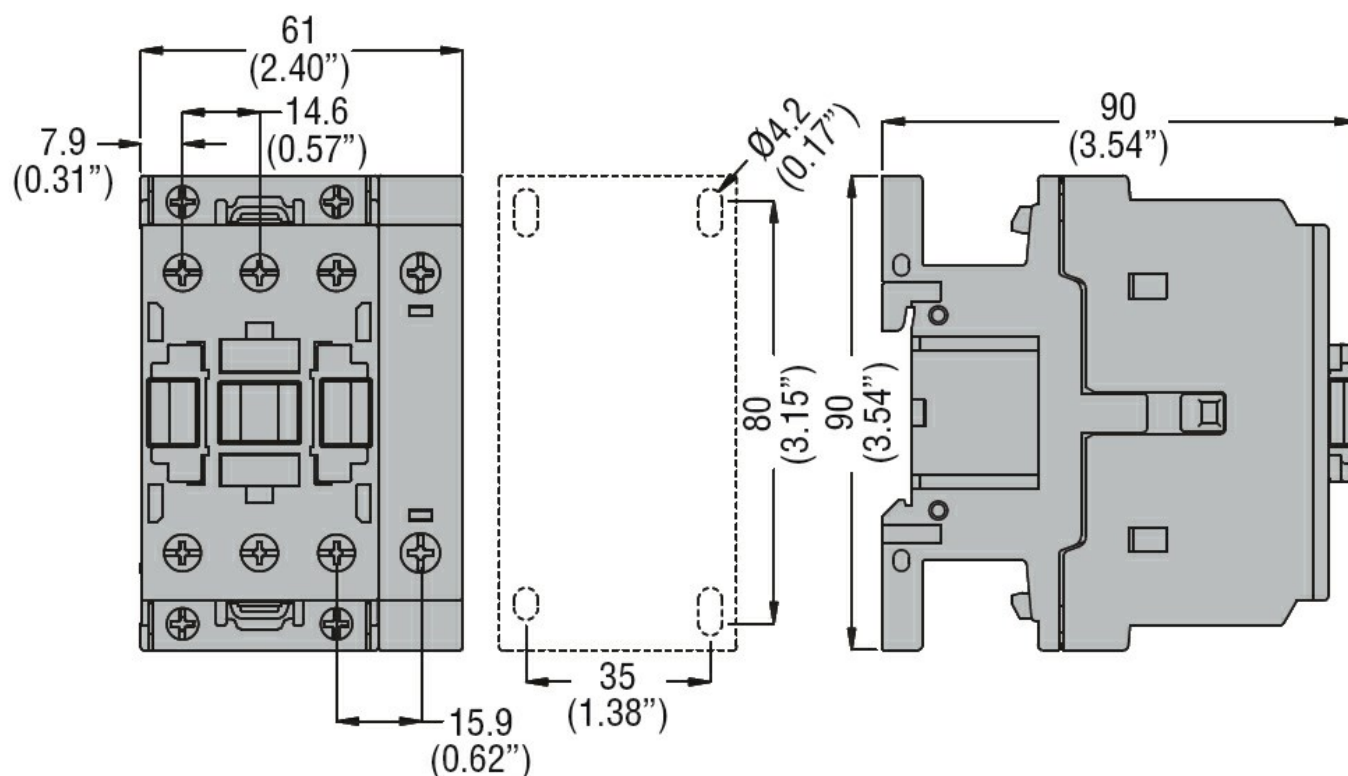
max 6

Flexible w/o lug conductor section

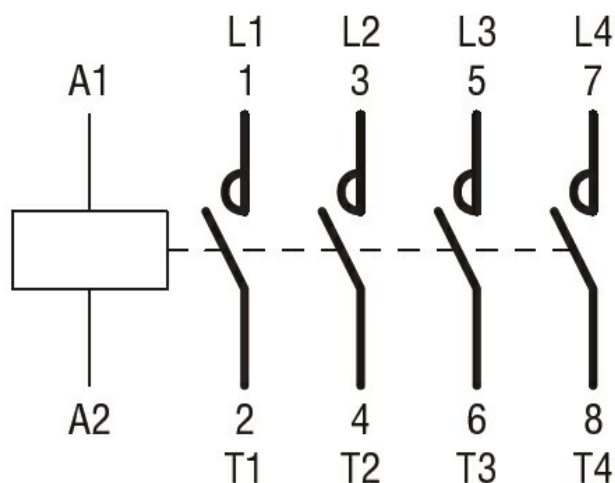
min mm² 2.5

	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	507
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
AC coil operating			
Rated AC voltage at 50/60Hz		V	230
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 holding	VA	70
		VA	6.5
of 60Hz coil powered at 60Hz	in-rush holding	VA	75
		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 max	ms ms 8 24
Opening NO	min max	ms ms 5 15
Closing NC	min max	ms ms 9 20
Opening NC	min max	ms ms 9 17
UL technical data		
Full-load current (FLA) for three-phase AC motor	at 480V at 600V	A A 21 22
Yielded mechanical performance for single-phase AC motor	110/120V 230V	HP HP 2 5
for three-phase AC motor	200/208V 220/230V 460/480V 575/600V	HP HP HP HP 7.5 7.5 15 20
General USE		
Contactor	AC current	A 45
Short-circuit protection fuse, 600V High fault	Short circuit current Fuse rating Fuse class	kA A J 100 100
Standard fault	Short circuit current Fuse rating	kA A 5 100
Ambient conditions		
Temperature		
Operating temperature	min max	°C °C -50 70
Storage temperature	min max	°C °C -60 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 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