



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
IEC max current I_e in DC1 with $L/R \leq 1\text{ms}$ with 1 poles in series	$\leq 24\text{V}$	A 25
	48V	A 21
	75V	A 18
	110V	A 6
	220V	A –
IEC max current I_e in DC1 with $L/R \leq 1\text{ms}$ with 2 poles in series	$\leq 24\text{V}$	A 28
	48V	A 28
	75V	A 25
	110V	A 22
	220V	A 2
IEC max current I_e in DC1 with $L/R \leq 1\text{ms}$ with 3 poles in series	$\leq 24\text{V}$	A 28
	48V	A 28
	75V	A 25
	110V	A 24
	220V	A 20
IEC max current I_e in DC1 with $L/R \leq 1\text{ms}$ with 4 poles in series	$\leq 24\text{V}$	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
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Protection fuse

gG (IEC)	A	50
aM (IEC)	A	32

Making capacity (RMS value)

A	260
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Breaking capacity at voltage

440V	A	208
500V	A	184
690V	A	168

Resistance per pole (average value)

mΩ	2
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Power dissipation per pole (average value)

Ith	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
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Conductor section

AWG/Kcmil

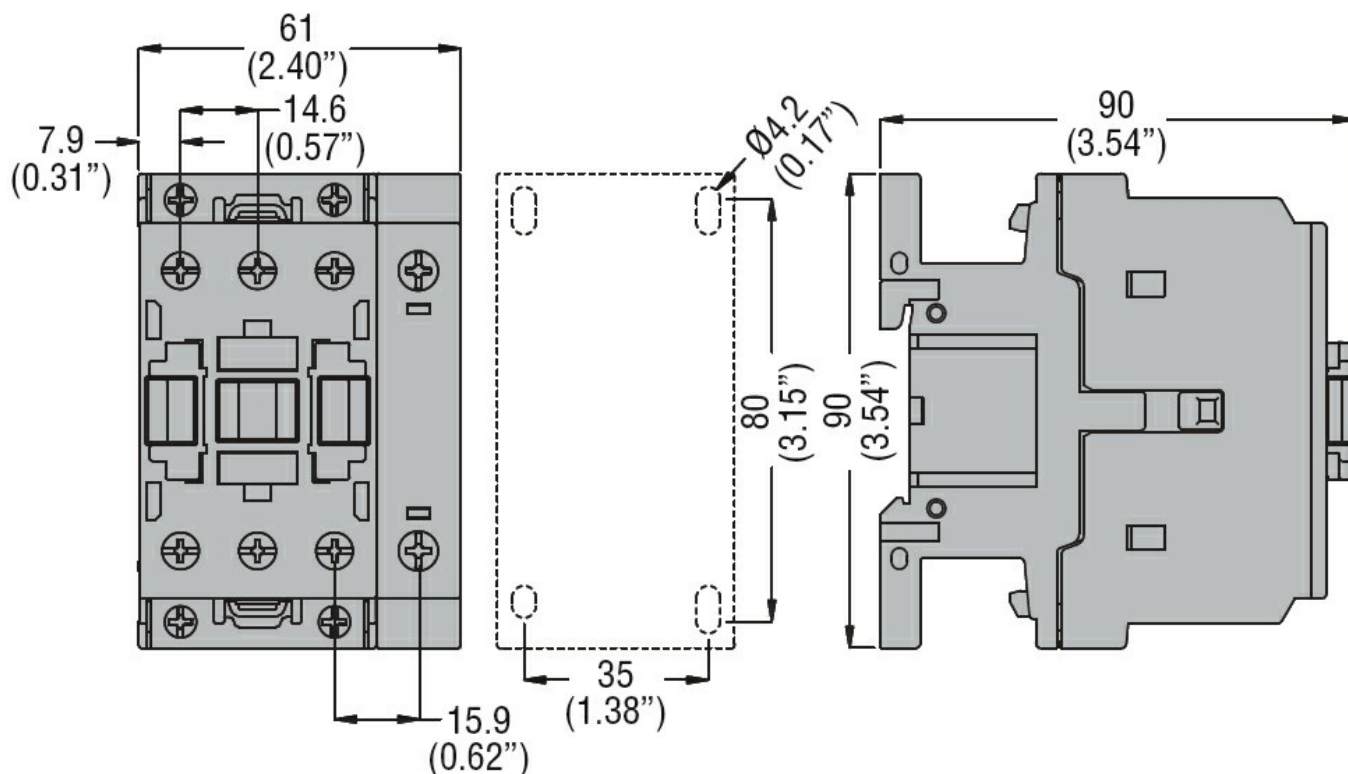
max	6
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Flexible w/o lug conductor section

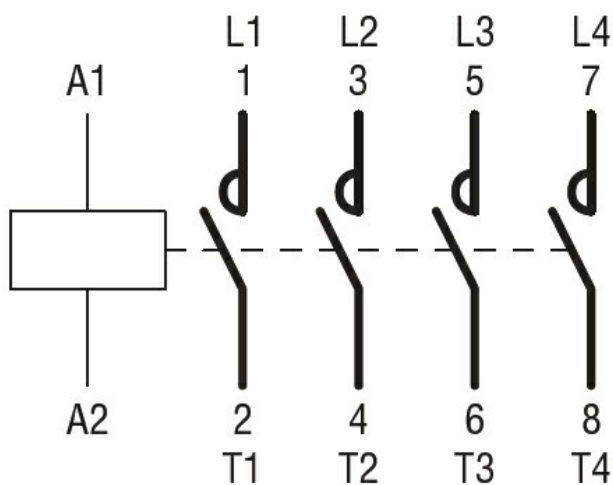
min	mm ²	2.5
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Flexible c/w lug conductor section	max	mm ²	16
	min	mm ²	1
	max	mm ²	10
Flexible with insulated spade lug conductor section	min	mm ²	1
	max	mm ²	10
	Power terminal protection according to IEC/EN 60529		
			IP20 when properly wired
Mechanical features			
Operating position			
normal allowable			Vertical plan ±30°
Fixing			Screw / DIN rail 35mm
Weight		g	518
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 cycles 1600000 20000000
EMC compatibility			yes
AC coil operating			
Rated AC voltage at 60Hz		V	575
AC operating voltage			
of 60Hz coil powered at 60Hz pick-up		min max	%Us %Us 80 110
drop-out		min max	%Us %Us 20 55
AC average coil consumption at 20°C			
of 60Hz coil powered at 60Hz		in-rush holding	VA VA 75 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	ms	9
		max	ms	17
UL technical data				
Rated operational voltage AC (UL)			V	600
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
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
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