



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 allowable	Vertical plan ±30°
Fixing		Screw / DIN rail 35mm
Weight	g	490

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 cycles	1600000 20000000

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

YES

EMC compatibility

yes

AC coil operating

Rated AC voltage at 50/60Hz

V 110

AC operating voltage

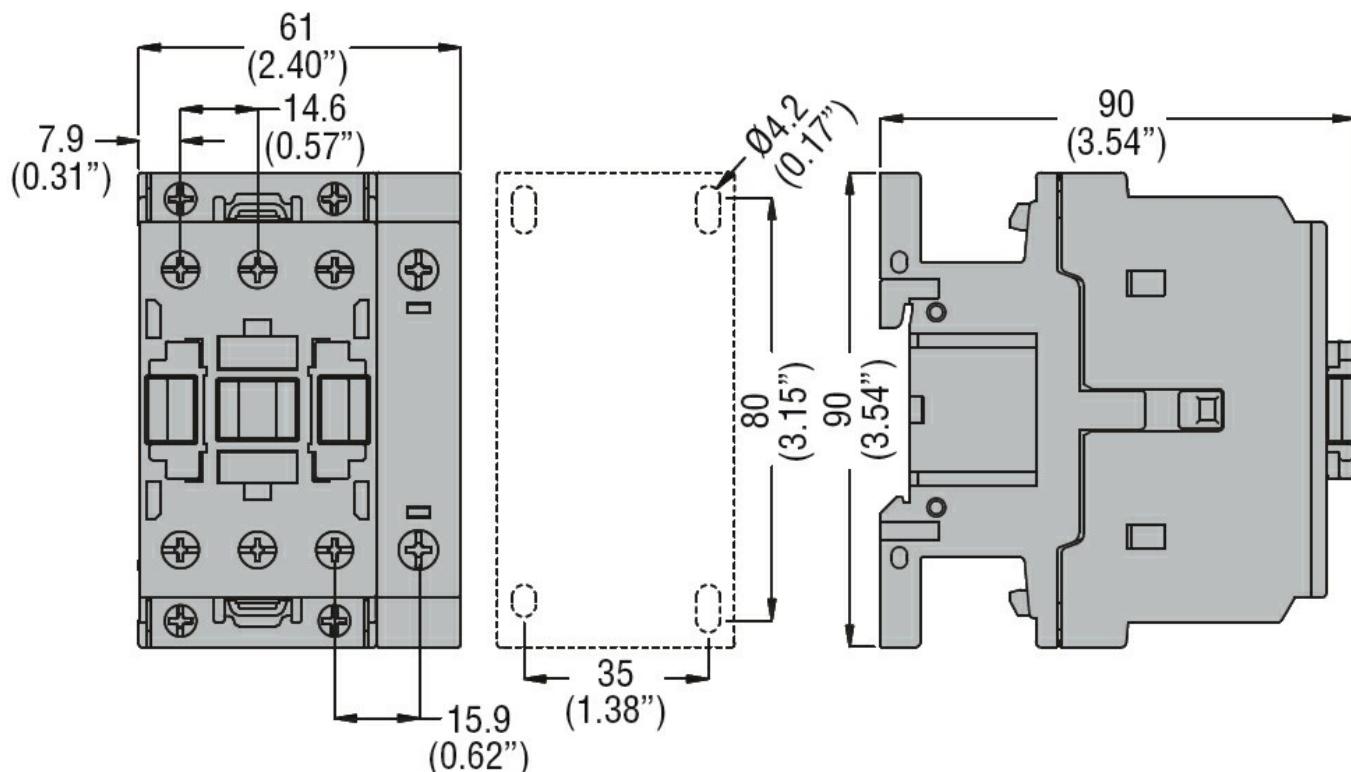
of 50/60Hz coil powered at 50Hz		
pick-up	min	%Us 80
	max	%Us 110
drop-out	min	%Us 20
	max	%Us 55
of 50/60Hz coil powered at 60Hz		
pick-up	min	%Us 85
	max	%Us 110
drop-out	min	%Us 20
	max	%Us 55

AC average coil consumption at 20°C

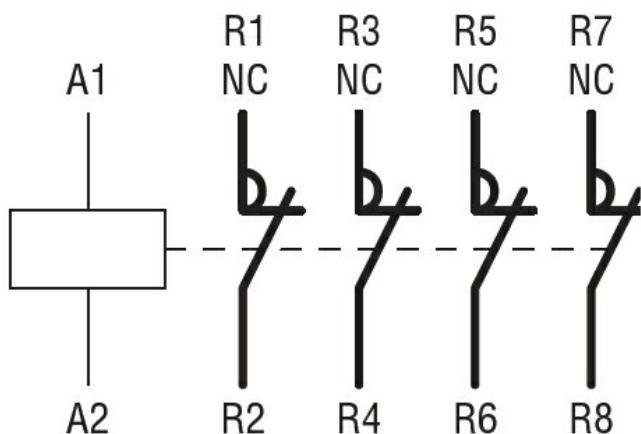
of 50/60Hz coil powered at 50Hz

in-rush	VA	75
holding	VA	9

of 50/60Hz coil powered at 60Hz	in-rush	VA	70
	holding	VA	6.5
of 60Hz coil powered at 60Hz	in-rush	VA	75
	holding	VA	9
Dissipation at holding $\leq 20^{\circ}\text{C}$ 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	$^{\circ}\text{C}$ -50
		max	$^{\circ}\text{C}$ 70
Storage temperature			
		min	$^{\circ}\text{C}$ -60
		max	$^{\circ}\text{C}$ 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 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