



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)	mΩ	2	
Power dissipation per pole (average value)	I _{th}	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	

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°
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Fixing

Screw / DIN rail
35mm

Weight

g 520

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

EMC compatibility

yes

AC coil operating

Rated AC voltage at 50/60Hz

V 400

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

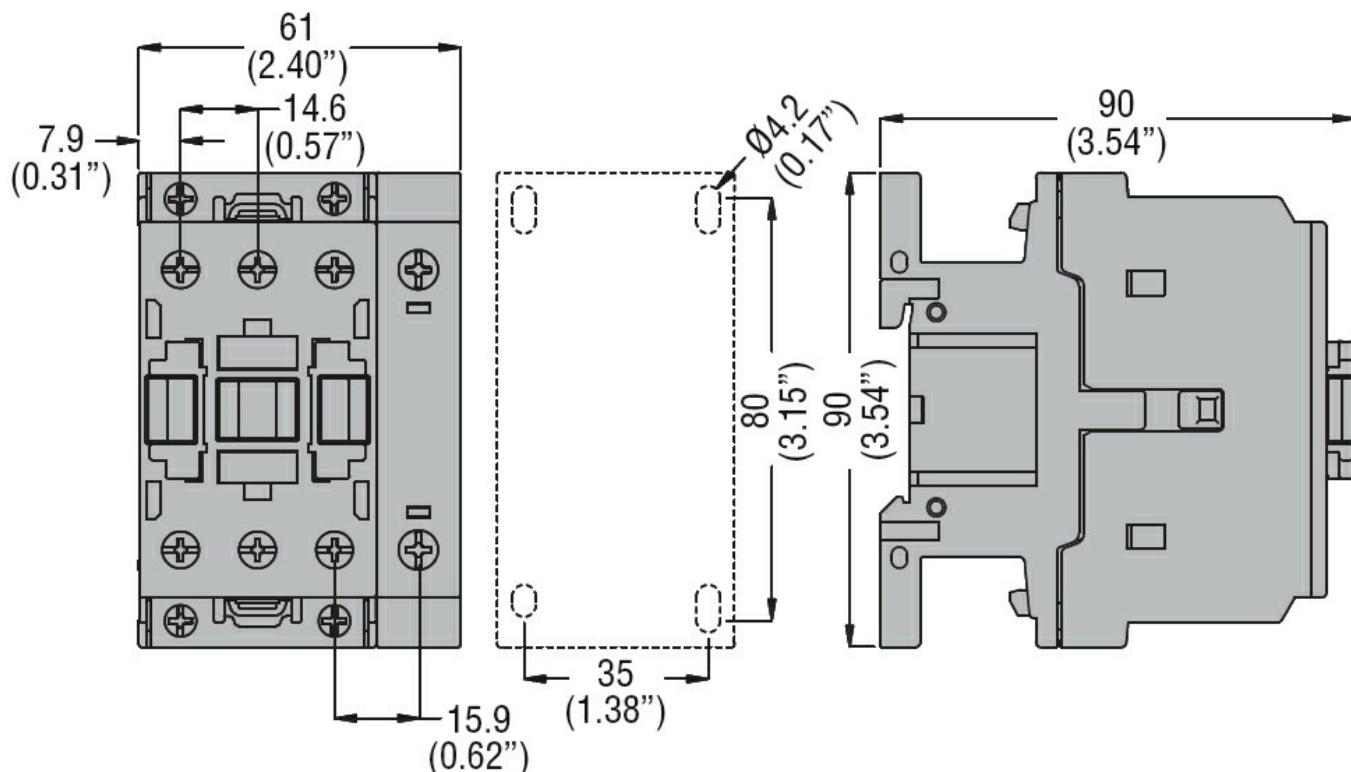
in-rush	VA	75
holding	VA	9

of 50/60Hz coil powered at 60Hz

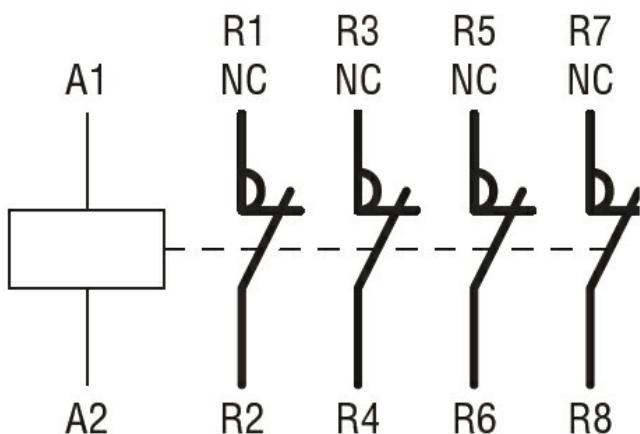
in-rush	VA	70
holding	VA	6.5

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			
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
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