



Product designation	Power contactor		
Product type designation	BF26		
<b>Contact characteristics</b>			
Number of poles	Nr.	3	
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 ( $\leq 40^\circ C$ )	A	45
	AC-1 ( $\leq 55^\circ C$ )	A	36
	AC-1 ( $\leq 70^\circ C$ )	A	32
	AC-3 ( $\leq 440V \leq 55^\circ C$ )	A	26
	AC-4 (400V)	A	11.5
Rated operational power AC-3 ( $T \leq 55^\circ C$ )	230V	kW	7.3
	400V	kW	13
	415V	kW	14
	440V	kW	14
	500V	kW	15.6
	690V	kW	18.5
Rated operational power AC-1 ( $T \leq 40^\circ C$ )	230V	kW	17
	400V	kW	30
	500V	kW	37
	690V	kW	51
IEC max current $I_e$ in DC1 with $L/R \leq 1ms$ with 1 poles in series	$\leq 24V$	A	25
	48V	A	21
	75V	A	18
	110V	A	6
	220V	A	—
IEC max current $I_e$ in DC1 with $L/R \leq 1ms$ with 2 poles in series	$\leq 24V$	A	28
	48V	A	28
	75V	A	25
	110V	A	22
	220V	A	2
IEC max current $I_e$ in DC1 with $L/R \leq 1ms$ with 3 poles in series	$\leq 24V$	A	28
	48V	A	28
	75V	A	25
	110V	A	24

	220V	A	20
IEC max current $I_e$ in DC1 with $L/R \leq 1\text{ms}$ with 4 poles in series			
≤24V	A	28	
48V	A	28	
75V	A	25	
110V	A	24	
220V	A	26	
IEC max current $I_e$ in DC3-DC5 with $L/R \leq 15\text{ms}$ with 1 poles in series			
≤24V	A	18	
48V	A	15	
75V	A	13	
110V	A	2	
220V	A	—	
IEC max current $I_e$ in DC3-DC5 with $L/R \leq 15\text{ms}$ with 2 poles in series			
≤24V	A	20	
48V	A	20	
75V	A	18	
110V	A	13	
220V	A	3	
IEC max current $I_e$ in DC3-DC5 with $L/R \leq 15\text{ms}$ with 3 poles in series			
≤24V	A	25	
48V	A	25	
75V	A	20	
110V	A	18	
220V	A	19	
IEC max current $I_e$ in DC3-DC5 with $L/R \leq 15\text{ms}$ 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)		mΩ	2
Power dissipation per pole (average value)			
I <sub>th</sub>	W	4	
AC-3	W	1.4	
Tightening torque for terminals			
min	Nm	2.5	
max	Nm	3	
min	I <sub>bin</sub>	1.8	
max	I <sub>bin</sub>	2.2	
Tightening torque for coil terminal			
min	Nm	0.8	
max	Nm	1	
min	I <sub>bin</sub>	0.8	

	max	I <sub>bin</sub>	0.74
Max number of wires simultaneously connectable		Nr.	2
Conductor section			
AWG/Kcmil	max		6
Flexible w/o lug conductor section	min	mm <sup>2</sup>	2.5
	max	mm <sup>2</sup>	16
Flexible c/w lug conductor section	min	mm <sup>2</sup>	1
	max	mm <sup>2</sup>	10
Flexible with insulated spade lug conductor section	min	mm <sup>2</sup>	1
	max	mm <sup>2</sup>	10
Power terminal protection according to IEC/EN 60529			IP20 when properly wired
<b>Mechanical features</b>			
Operating position	normal allowable		Vertical plan ±30°
Fixing			Screw / DIN rail 35mm
Weight	g	424	
<b>Operations</b>			
Mechanical life	cycles	20000000	
Electrical life	cycles	1600000	
<b>Safety related data</b>			
Performance level B10d according to EN/ISO 13489-1	rated load mechanical load	cycles	1600000 20000000
EMC compatibility			yes
<b>AC coil operating</b>			
Rated AC voltage at 60Hz	V	230	
AC operating voltage			
of 60Hz coil powered at 60Hz			
pick-up	min max	%Us	80 110
drop-out	min max	%Us	20 55
AC average coil consumption at 20°C			
of 60Hz coil powered at 60Hz	in-rush holding	VA	75 9
Dissipation at holding ≤20°C 50Hz	W	2.5	
<b>Max cycles frequency</b>			
Mechanical operation	cycles/h	3600	
<b>Operating times</b>			
Average time for Us control			
in AC	Closing NO		
	min max	ms	8 24

Opening NO	min	ms	5
	max	ms	15
Closing NC	min	ms	9
	max	ms	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**

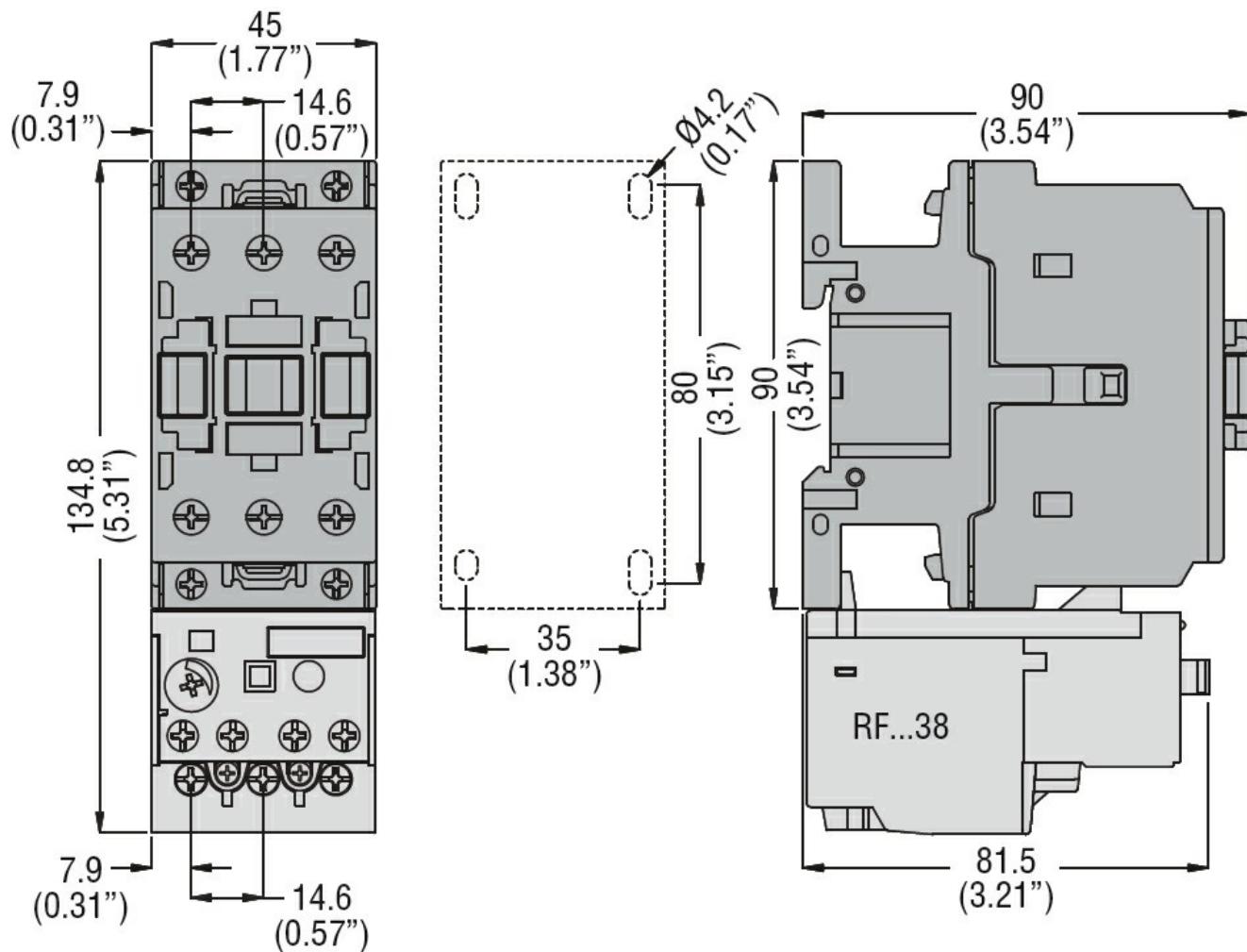
for single-phase AC motor	110/120V	HP	2
	230V	HP	5
for three-phase AC motor	200/208V	HP	7.5
	220/230V	HP	7.5
	460/480V	HP	15
	575/600V	HP	20

**General USE**

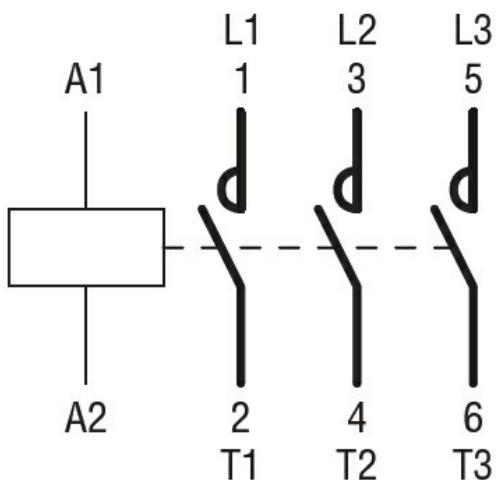
Contactor	AC current	A	45
Short-circuit protection fuse, 600V			
High fault	Short circuit current	kA	100
	Fuse rating	A	100
	Fuse class	J	
Standard fault	Short circuit current	kA	5
	Fuse rating	A	100

**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 60335-1](#)

[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