



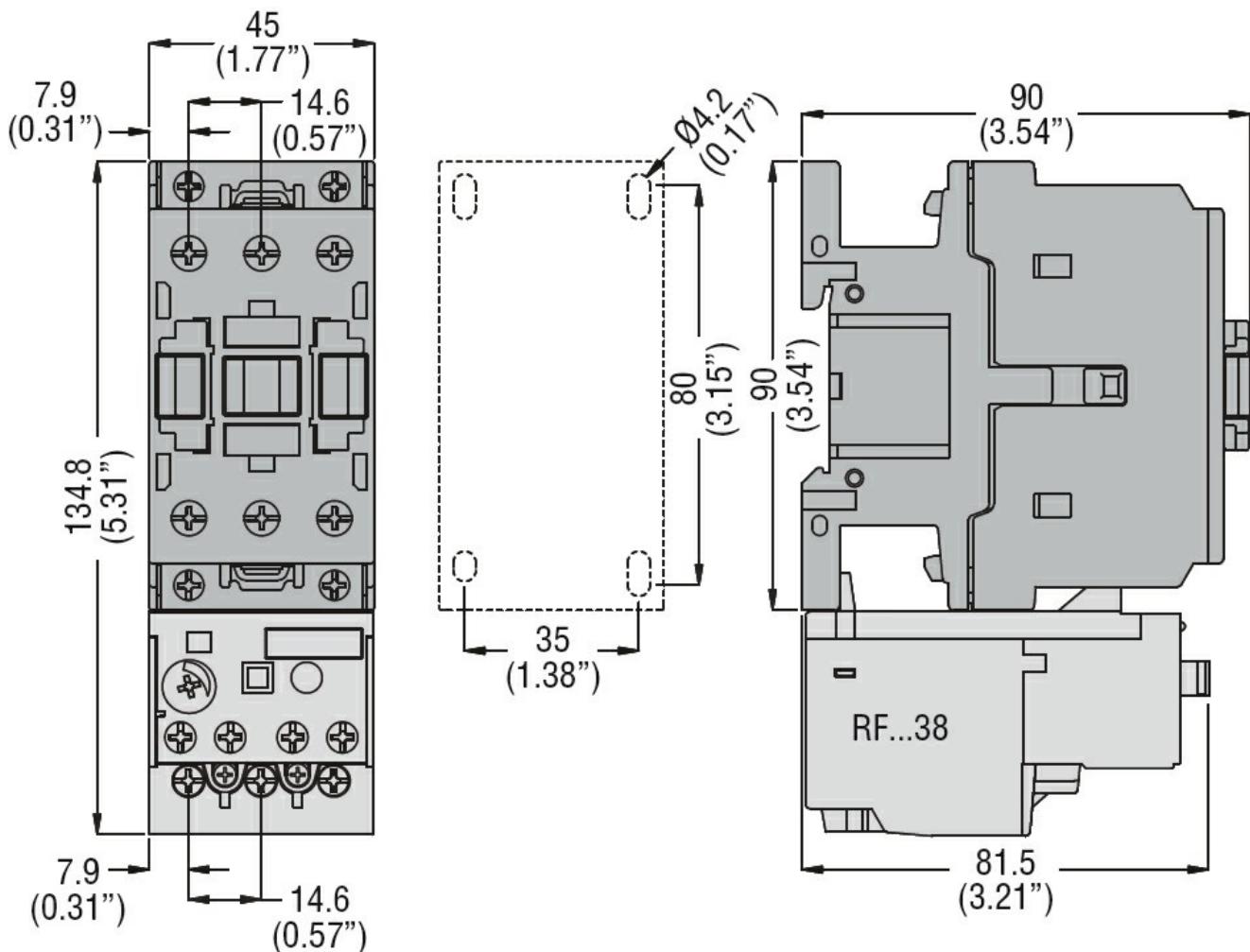
Product designation	Power contactor		
Product type designation	BF26		
<b>Contact characteristics</b>			
Number of poles	Nr.	3	
Rated insulation voltage $U_i$ IEC/EN	V	690	
Rated impulse withstand voltage $U_{imp}$	kV	6	
Operational frequency	min	Hz	25
	max	Hz	400
IEC Conventional free air thermal current $I_{th}$	A	45	
Operational current $I_e$			
	AC-1 ( $=40^\circ\text{C}$ )	A	45
	AC-1 ( $=55^\circ\text{C}$ )	A	36
	AC-1 ( $=70^\circ\text{C}$ )	A	32
	AC-3 ( $=440\text{V} = 55^\circ\text{C}$ )	A	26
	AC-4 (400V)	A	11.5
Rated operational power AC-3 ( $T=55^\circ\text{C}$ )	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 ( $T=40^\circ\text{C}$ )	230V	kW	17
	400V	kW	30
	500V	kW	37
	690V	kW	51
IEC max current $I_e$ in DC1 with $L/R = 1\text{ms}$ 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 $L/R = 1\text{ms}$ 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 $L/R = 1\text{ms}$ with 3 poles in series	=24V	A	28
	48V	A	28
	75V	A	25
	110V	A	24

	220V	A	20
IEC max current Ie 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)			
	I <sub>th</sub>	W	4
	AC3	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

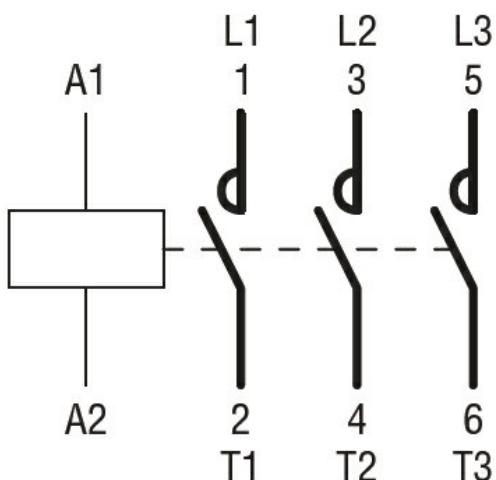
Max number of wires simultaneously connectable	max	Ibin	0.74
Conductor section	Nr.	2	
AWG/Kcmil	max		6
Flexible w/o lug conductor section	min	mm <sup>2</sup>	2.5
	max	mm <sup>2</sup>	16
Flexible c/w lug conductor section	min	mm <sup>2</sup>	1
	max	mm <sup>2</sup>	10
Flexible with insulated spade lug conductor section	min	mm <sup>2</sup>	1
	max	mm <sup>2</sup>	10
Power terminal protection according to IEC/EN 60529			IP20 when wired
<b>Mechanical features</b>			
Operating position	normal allowable		Vertical plan ±30°
Fixing			Screw / DIN rail 35mm
Weight	g	426	
Conductor section			
AWG/kcmil conductor section	max		6
<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
Mirror contacts according to IEC/EN 609474-4-1			yes
EMC compatibility			yes
<b>AC coil operating</b>			
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 holding	VA	75
of 50/60Hz coil powered at 60Hz		VA	9
	in-rush holding	VA	70
of 60Hz coil powered at 60Hz		VA	6.5
	in-rush holding	VA	75
Dissipation at holding =20°C 50Hz		VA	9
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	ms 8
		max	ms 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
<b>UL technical data</b>			
Full-load current (FLA) for three-phase AC motor		at 480V	A 21
		at 600V	A 22
<b>Yielded mechanical performance</b>			
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
<b>General USE</b>			
Contactor		AC current	A 45
<b>Short-circuit protection fuse, 600V</b>			
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
<b>Ambient conditions</b>			
Temperature		min	°C -50
Operating temperature			

	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 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