



Power contactor
BF26

Product designation

Product type designation

Contact characteristics

Number of poles	nr.	3
Rated insulation voltage U_i	V	690
Rated impulse withstand voltage U_{imp}	kV	6
Operating frequency	Operational frequency min	Hz 25
	Operational frequency max	Hz 400
	Conventional free air thermal current I_{th}	A 45
Operating current	Operational current AC1 ($\leq 40^\circ\text{C}$)	A 45
	Operational current AC3 ($\leq 440\text{V} \leq 55^\circ\text{C}$)	A 26
	Operational current AC4 (400V)	A 11.5
Rated operational power AC1 ($T \leq 40^\circ\text{C}$)	230V	kW 17
	400V	kW 30
	500V	kW 37
	690V	kW 51
Rated operational power AC3A ($T \leq 55^\circ\text{C}$)	Rated operational power AC3 ($T \leq 55^\circ\text{C}$) 230V	kW 7.3
	Rated operational power AC3 ($T \leq 55^\circ\text{C}$) 400V	kW 13
	Rated operational power AC3 ($T \leq 55^\circ\text{C}$) 415V	kW 14
	Rated operational power AC3 ($T \leq 55^\circ\text{C}$) 440V	kW 14
	Rated operational power AC3 ($T \leq 55^\circ\text{C}$) 500V	kW 15.6
	Rated operational power AC3 ($T \leq 55^\circ\text{C}$) 690V	kW 18.5
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	Breaking capacity 440V	A 208
	Breaking capacity 500V	A 184
	Breaking capacity 690V	A 168
Resistance per pole (average value)	m Ω	2
Power dissipation per pole (average value)	Power dissipation pole (average value) I_{th}	W 4
	AC3	W 1.4
Tightening torque for terminals	min	Nm 2.5
	max	Nm 3
	min	lbft 1.8
	max	lbft 2.2
Tightening torque for coil terminal		

	min	Nm	0.8
	max	Nm	1
	min	lbft	0.8
	max	lbft	0.74
max number of wires simultaneously connectable		nr.	2
Conductor section			
AWG			
	min		14
	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
Auxiliary contact characteristics			
Operational current AC1 (≤40°C)		A	45
Operating current DC13			
	110V	A	Screw / DIN rail 35mm
Ambient conditions			
Temperature			
Operating temperature			
	min	°C	-50
	max	°C	70
Storage temperature			
	min	°C	-60
	max	°C	80
Max altitude		m	3000
Operating position			
	normal allowable		Vertical plan ±30°
Mounting			Screw / DIN rail 35mm
Weight		g	0.43
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	Cicli Cicli	1600000 20000000
Mirror contacts according to IEC/EN 60947-4-1			yes
EMC compatibility			yes
AC coil operating			
AC operating voltage			
	of 50/60Hz coil powered at 50Hz pick-up		
	min	%Us	0.8

		max	%Us	1.1
	drop-out	min	%Us	0.2
		max	%Us	0.55
of 50/60Hz coil powered at 60Hz				
	pick-up	min	%Us	0.85
		max	%Us	1.1
	drop-out	min	%Us	0.2
		max	%Us	0.55
of 60Hz coil powered at 60Hz				
	pick-up	min	%Us	0.8
		max	%Us	1.1
	drop-out	min	%Us	0.2
		max	%Us	0.55
AC operating voltage				
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 operations			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
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				
		at 110/120V	hp	2
		at 230V	hp	5
for three-phase AC motor				
		at 200/208V	hp	7.5
		at 220/230V	hp	7.5
		at 460/480V	hp	15
		at 575/600V	hp	20
General USE				

Contactor

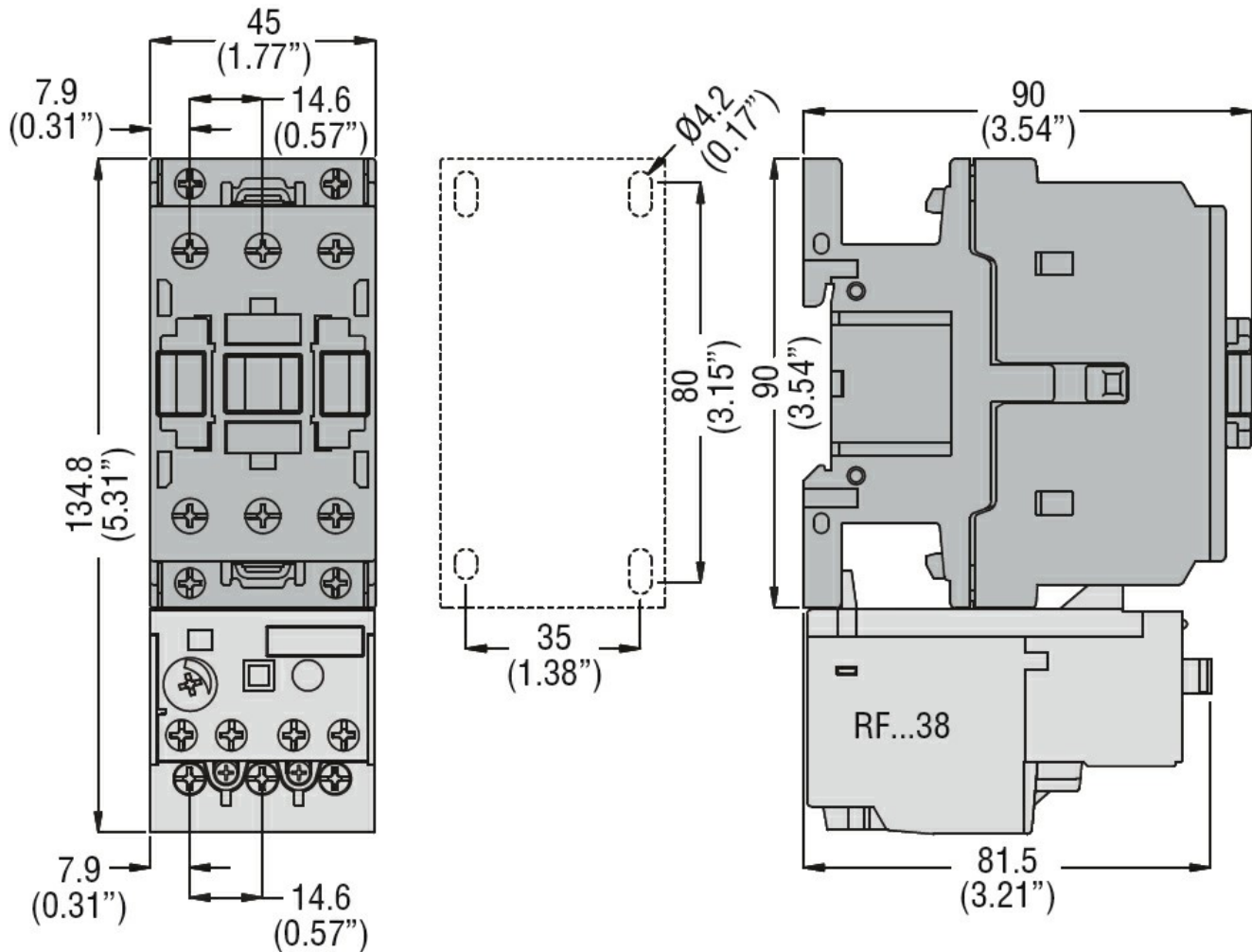
AC current A 32

Other features

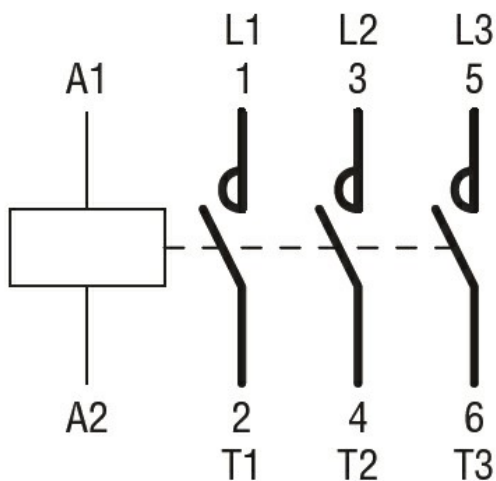
Pollution degree 3

3

Dimensions



Wiring diagrams



Certifications and compliance

Certifications

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

Compliance

CCC

cULus

EAC

ETIM 6 classification

EC000066 - Power contactor, AC switching