



Product designation

Power contactor

Product type designation

BF26

Contact characteristics

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°C)	A 45
	AC-1 (=55°C)	A 36
	AC-1 (=70°C)	A 32
	AC-3 (=440V =55°C)	A 26
	AC-4 (400V)	A 11.5
Rated operational power AC-3 (T=55°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°C)	230V	kW 17
	400V	kW 30
	500V	kW 37
	690V	kW 51
IEC max current I_e in DC1 with L/R = 1ms 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 = 1ms 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 = 1ms 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)			
	Ith	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	I _{bin}	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	564
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	1600000
		cycles	20000000
Mirror contacts according to IEC/EN 60947-4-1			yes
EMC compatibility			yes
DC coil operating			
DC rated control voltage		V	220
DC operating voltage			
pick-up	min	%U _s	70
	max	%U _s	125
drop-out	min	%U _s	10
	max	%U _s	40
Average coil consumption =20°C	in-rush holding	W	5.4
		W	5.4
Max cycles frequency			
Mechanical operation		cycles/h	3600
Operating times			
Average time for U _s control in AC	Closing NO	min	ms
			8

in DC	Opening NO	max	ms	24
		min	ms	5
	Closing NC	max	ms	15
		min	ms	9
	Opening NC	max	ms	20
		min	ms	9
		max	ms	17
		Closing NO	min	ms
	max		ms	66
	Opening NO	min	ms	14
max		ms	17	

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
------------	---	----

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

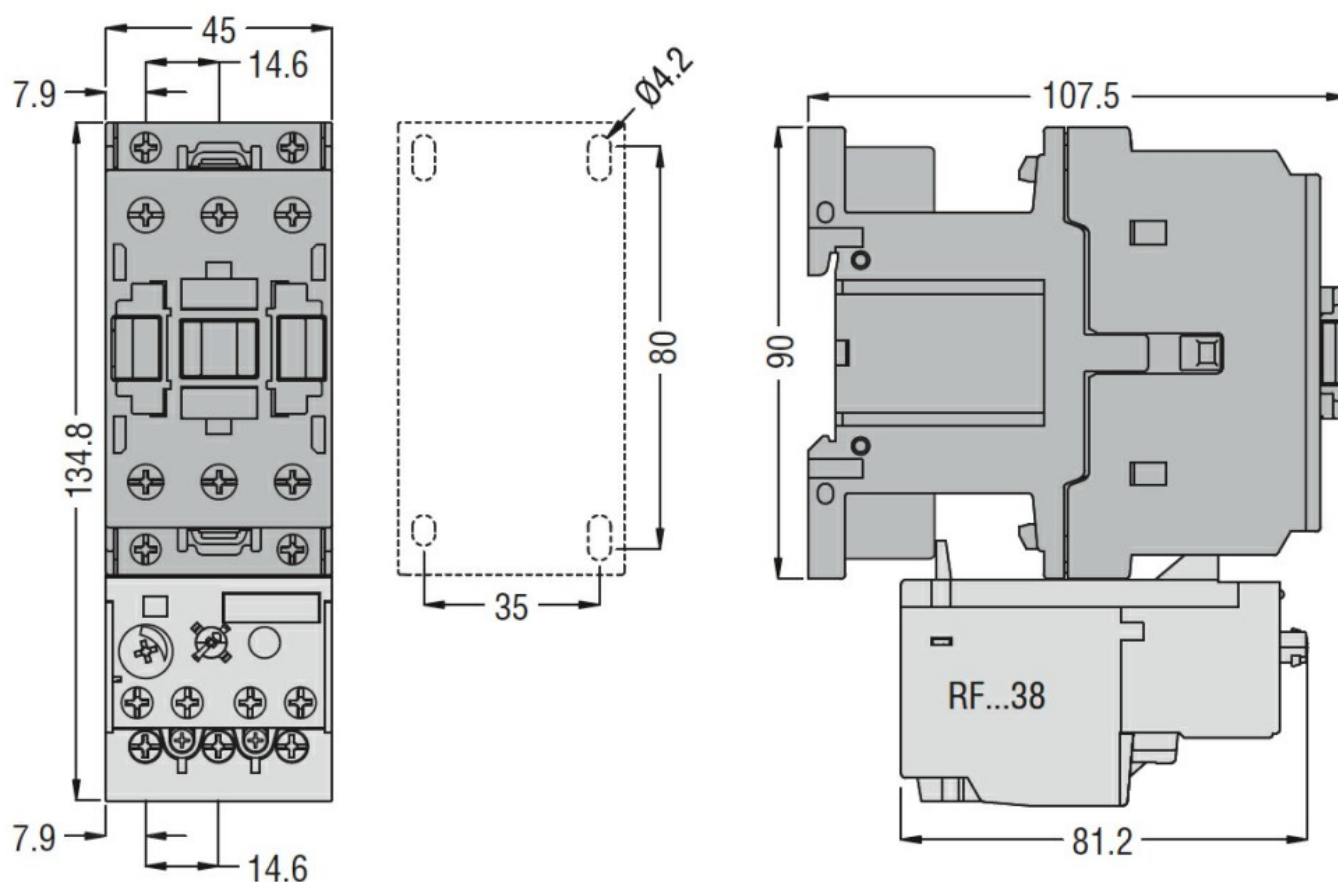
m	3000
---	------

Resistance & Protection

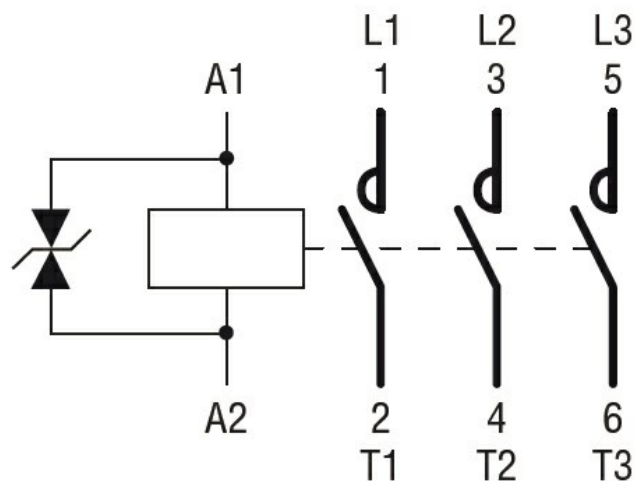
Pollution degree

3

Dimensions



Wiring diagrams



Certifications and compliance

Compliance

CSA C22.2 n° 60947-1
CSA C22.2 n° 60947-4-1
IEC/EN 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