



Product designation

Power contactor

Product type designation

BFK26

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
Rated operational power AC-6b ($T \leq 40^\circ C$)	230V	kvar 11
	400V	kvar 20
	440...480V	kvar 22
	690V	kvar 25
Short-time allowable current for 10s (IEC/EN60947-1)	A	210
Protection fuse	gG (IEC)	A 40
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
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 0.59
	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

CONTACTOR PARA CORRECCIÓN DEL FACTOR DE POTENCIA CON CIRCUITO DE CONTROL EN AC, TIPO BFK (CON RESISTENCIAS LIMITADORAS), POTENCIA NOMINAL MÁXIMA (IEC) 400V = 20KVAR, BOBINA 220VAC 60HZ

		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°	
Fixing				Screw / DIN rail 35mm
Weight			g	400
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	400000
			cycles	20000000
EMC compatibility				yes
AC coil operating				
Rated AC voltage at 60Hz			V	220
AC operating voltage				
of 60Hz coil powered at 60Hz				
		min	%Us	80
		max	%Us	110
drop-out				
		min	%Us	20
		max	%Us	55
AC average coil consumption at 20°C				
of 60Hz coil powered at 60Hz				
		in-rush holding	VA	75
			VA	9
Dissipation at holding ≤20°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	9
		max	ms	20
UL technical data				

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

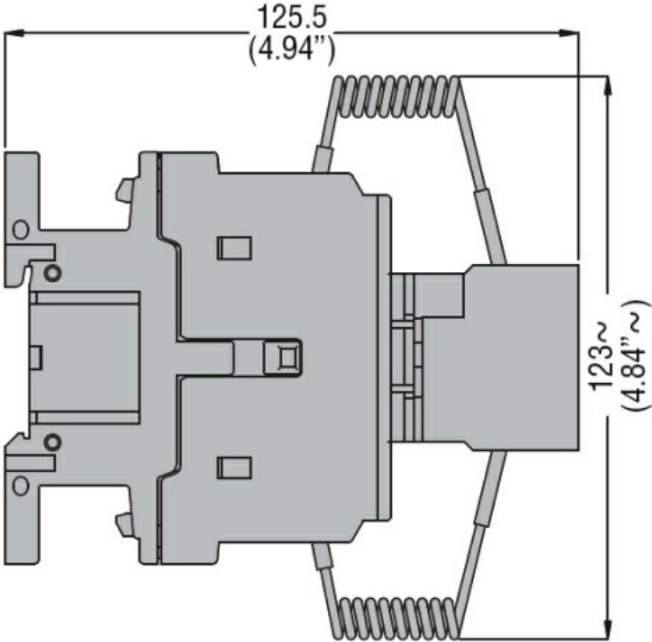
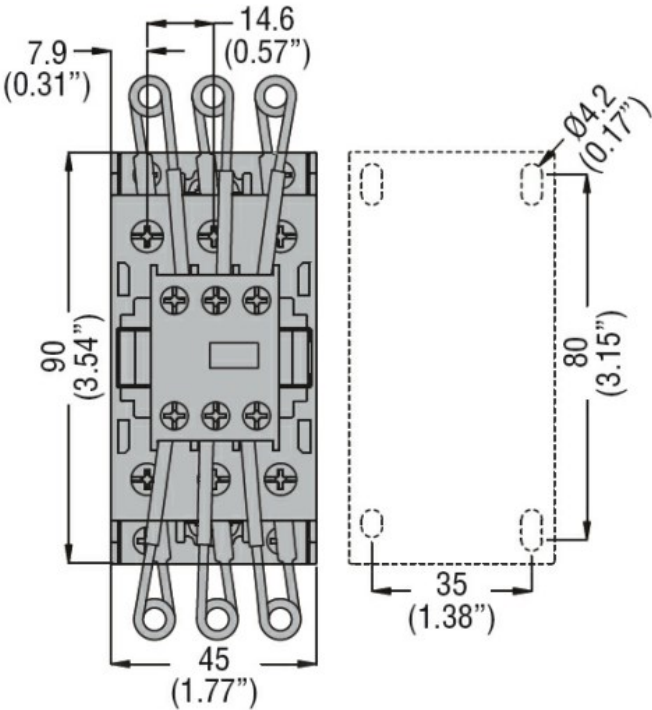
m 3000

Resistance & Protection

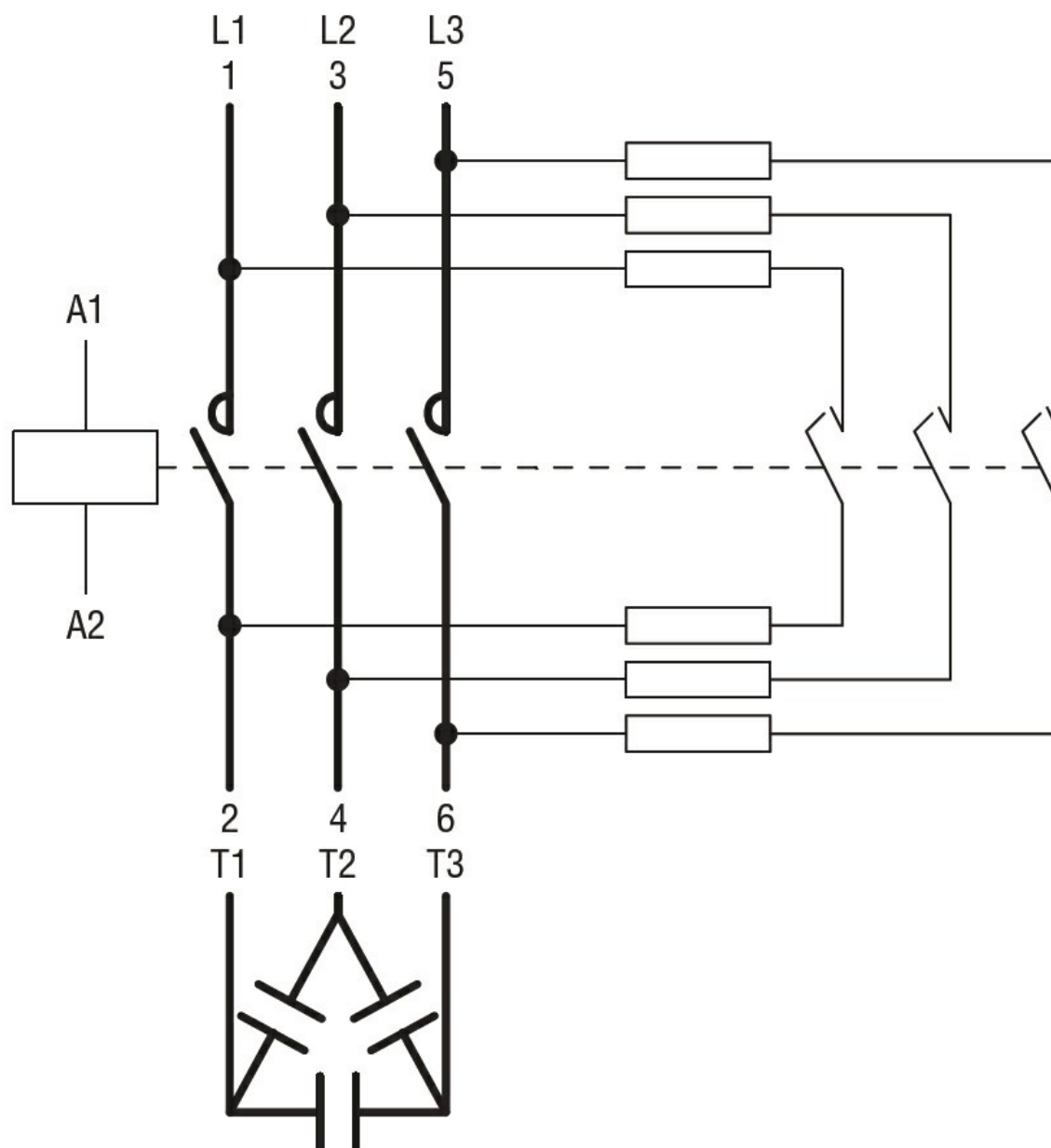
Pollution degree

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

EC001079 -
Capacitor
contactor