



Product designation	Power contactor		
Product type designation	BFK26		
<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	
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)	m?	2	
Power dissipation per pole (average value)	$I_{th}$	W	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	0.59
	max	lbin	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

Flexible with insulated spade lug conductor section	max	mm <sup>2</sup>	10		
	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	Vertical plan ±30°			
Fixing	Screw / DIN rail 35mm				
Weight	g	400			
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	cycles	400000		
	mechanical load	cycles	20000000		
EMC compatibility	yes				
<b>AC coil operating</b>					
Rated AC voltage at 60Hz	V	460			
AC operating voltage					
of 60Hz coil powered at 60Hz					
pick-up	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	VA	75		
	holding	VA	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	ms	8		
	max	ms	24		
Opening NO	min	ms	5		
	max	ms	15		
Closing NC	min	ms	9		
	max	ms	20		
<b>UL technical data</b>					
<b>General USE</b>					

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

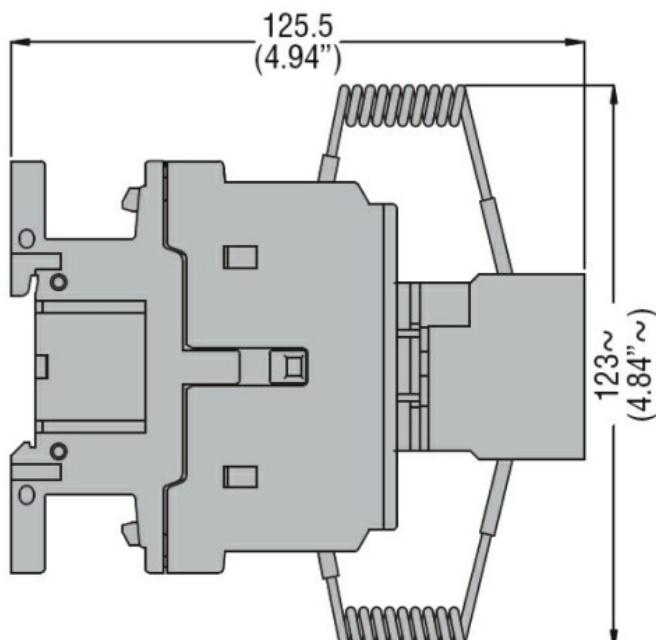
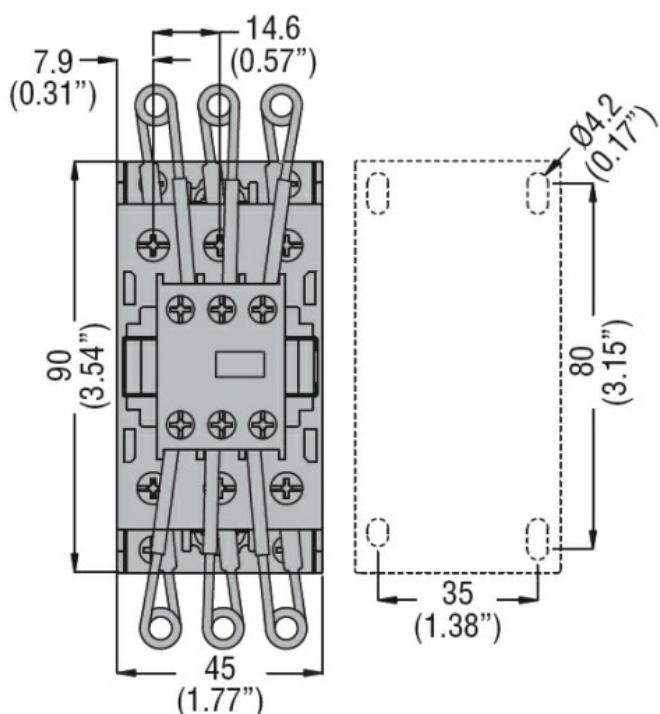
m 3000

Resistance & Protection

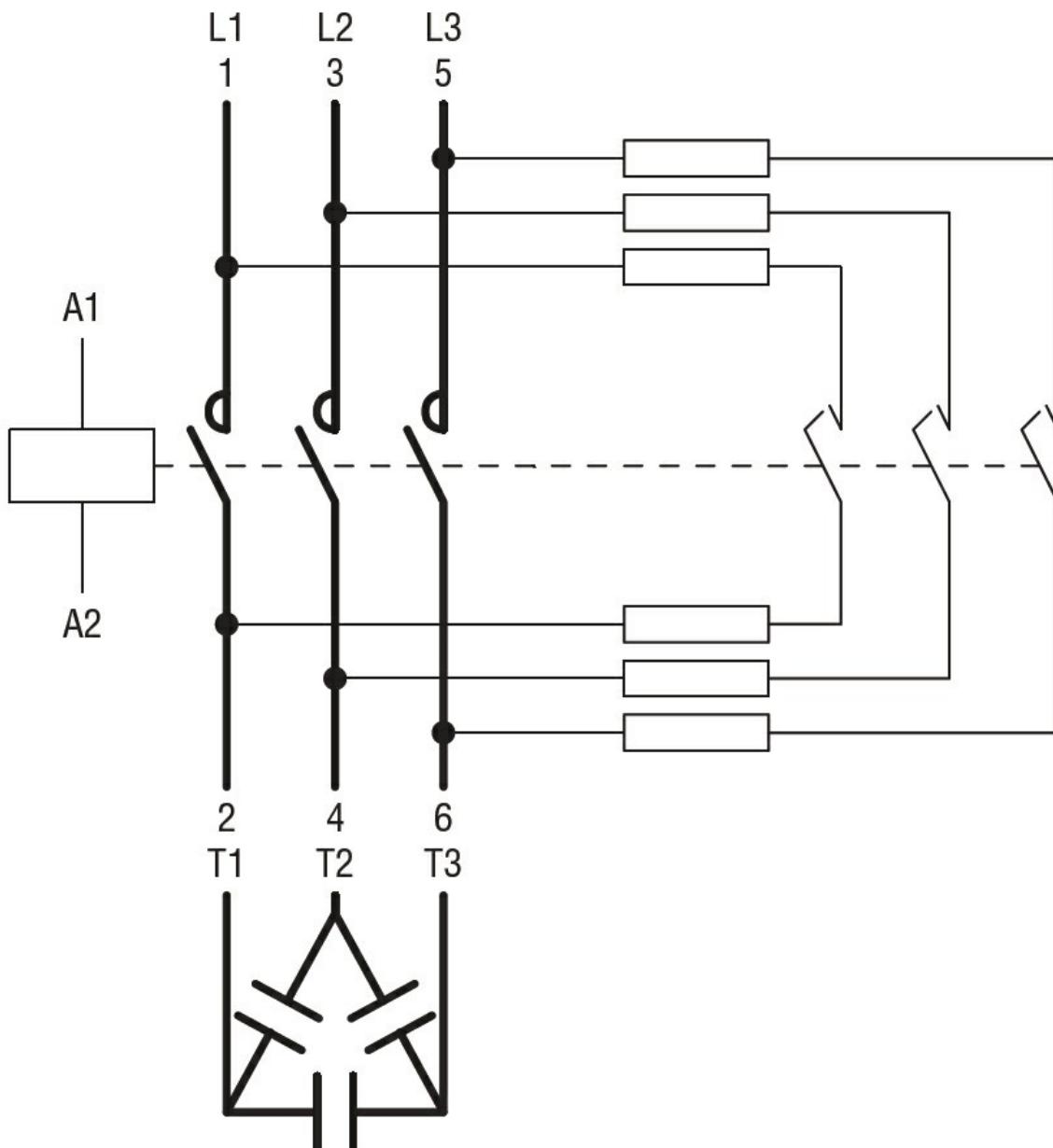
Pollution degree

3

Dimensions



Wiring diagrams



#### Certifications and compliance

##### Compliance

[CSA C22.2 n° 60947-1](#)

[CSA C22.2 n° 60947-4-1](#)

[IEC/EN 60947-1](#)

[IEC/EN 60947-4-1](#)

[UL 60947-1](#)

[UL 60947-4-1](#)

##### Certificates

[CCC](#)

[cULus](#)

[EAC](#)

#### ETIM classification

##### ETIM 8.0

EC001079 -  
Capacitor  
contactor