

Product designation			Power contactor
Product type designation			BFK26
Contact characteristics			
Number of poles	Nr.	3	
Rated insulation voltage Ui IEC/EN	V	690	
Rated impulse withstand voltage Uimp	kV	6	
Operational frequency	min	Hz	25
	max	Hz	400
IEC Conventional free air thermal current Ith	A	45	
Rated operational power AC-6b (T≤40°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
		A	260
Making capacity (RMS value)			
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)	Ith	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	Prodotti finiti
	max	Ibin	Prodotti finiti
Max number of wires simultaneously connectable	Nr.	2	
Conductor section			
Flexible w/o lug conductor section	min	mm²	2.5
	max	mm²	16
Flexible c/w lug conductor section	min	mm²	1
	max	mm²	10
Flexible with insulated spade lug conductor section	min	mm²	1
	max	mm²	10
Power terminal protection according to IEC/EN 60529			IP20 when wired
Mechanical features			
Operating position	normal	Vertical plan	
	allowable	±30°	

Fixing				Screw / DIN rail 35mm			
Weight				g	400		
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 cycles	400000 20000000	
EMC compatibility				Yes			
AC coil operating							
Rated AC voltage at 50/60Hz				V	230		
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 VA	75 9	
of 50/60Hz coil powered at 60Hz				in-rush holding	VA VA	70 7	
of 60Hz coil powered at 60Hz				in-rush holding	VA VA	75 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 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