

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
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)			
	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 allowable	Vertical plan ±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	cycles	400000	
	mechanical load	cycles	20000000	
EMC compatibility				
			Yes	
Rated AC voltage at 60Hz	V			230
AC coil operating				
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 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	7	
	of 60Hz coil powered at 60Hz			
	in-rush	VA	75	
	holding	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	

Storage temperature	max	°C	70
	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		