

Product designation				Power contactor
Product type designation				BF26
Contact characteristics				
Number of poles	Nr.			4
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-1 (T≤40°C)	230V	kW	17	
	400V	kW	30	
	500V	kW	37	
	690V	kW	51	
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)	mΩ			2
Power dissipation per pole (average value)	I _{th}	W	4	
	AC3	W	1.4	
Tightening torque for terminals	min	Nm	2.5	
	max	Nm	3	
	min	I _{bin}	1.8	
	max	I _{bin}	2.2	
Tightening torque for coil terminal	min	Nm	0.8	
	max	Nm	1	
	min	I _{bin}	Prodotti finiti	
	max	I _{bin}	Prodotti finiti	
Max number of wires simultaneously connectable	Nr.			2
Conductor section	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	496
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
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	6.5
	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	11
		max ms	29

Opening NC

min	ms	6
max	ms	14

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
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Ambient conditions

Temperature

Operating temperature

min	°C	-50
max	°C	70

Storage temperature

min	°C	-60
max	°C	80

Max altitude

m	3000
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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