



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)	m Ω			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	lbin		1.8
	max	lbin		2.2
Tightening torque for coil terminal	min	Nm		0.8
	max	Nm		1
	min	lbin		0.8
	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 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 500
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	cycles 1600000
		mechanical load	cycles 20000000
Mirror contacts according to IEC/EN 60947-4-1			YES
EMC compatibility			yes
AC coil operating			
Rated AC voltage at 60Hz		V	24
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
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

ETIM classification

ETIM 8.0

EC000066 -
Power contactor,
AC switching