



Product designation			Power contactor
Product type designation			BF26
Contact characteristics			2. 20
Number of poles		Nr.	4
Rated insulation voltage Ui IEC/EN		V	690
Rated impulse withstand voltage Uimp		kV	6
Operational frequency		IC V	
Operational frequency	min	Hz	25
	max	Hz	400
IEC Conventional free air thermal current Ith	Παλ	A	45
Operational current le			40
Operational current le	AC-1 (≤40°C)	Α	45
	•		
	AC-1 (≤55°C)	A	36
	AC-1 (≤70°C)	A	32
	AC-3 (≤440V ≤55°C)	A	26
	AC-4 (400V)	Α	11.5
Rated operational power AC-1 (T≤40°C)			
	230V	kW	17
	400V	kW	30
	500V	kW	37
	690V	kW	51
IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series			
	≤24V	Α	25
	48V	Α	21
	75V	Α	18
	110V	Α	6
	220V	Α	_
IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series			
	≤24V	Α	28
	48V	Α	28
	75V	Α	25
	110V	Α	22
	220V	Α	2
IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series			
120 max danoncio in 201 with 2/10 mile with a police in donoc	≤24V	Α	28
	48V	Α	28
	75V	A	25
	110V	A	24
	220V	A	20
IEC may current to in DC1 with L/D < 1 mg with 4 notes in parion	220 V		20
IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series	40 A) (Λ.	20
	≤24V	A	28
	48V	A	28
	75V	A	25
	110V	A	24
	220V	Α	26



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IEC max current le in DC3-DC5 with L/R ≤ 15ms with 1 poles in series			
TEC max current le in DC3-DC3 with L/R \(\) 13ms with 1 poles in series	≤24V	Α	18
	≤24 V 48 V	A	15
	75V	A	13
	110V	A	2
	220V	A	_
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 2 poles in series	220 V		
TEC max current le in DC3-DC3 with L/R \(\) 13ms with 2 poles in series	≤24V	۸	20
	≥24V 48V	A	20
	46 V 75 V	A A	20 18
	110V		
	220V	A	13
IFC many augment is in DC2 DC5 with L/D < 45 may with 2 males in comics	220 V	A	3
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series	40.4V.	Δ.	0.5
	≤24V	A	25
	48V	A	25
	75V	A	20
	110V	A	18
	220V	Α	19
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 4 poles in series			
	≤24V	Α	30
	48V	Α	30
	75V	Α	25
	110V	Α	20
	220V	Α	15
Short-time allowable current for 10s (IEC/EN60947-1)		Α	210
Protection fuse			
	gG (IEC)	Α	50
	aM (IEC)	Α	32
Making capacity (RMS value)		Α	260
Breaking capacity at voltage			
	440V	Α	208
	500V	Α	184
	690V	Α	168
Resistance per pole (average value)		mΩ	2
Power dissipation per pole (average value)			
, , , , , , , , , , , , , , , , , , , ,	Ith	W	4
	AC3	W	1.4
Tightening torque for terminals			
	min	Nm	2.5
	max	Nm	3
	min	lbin	1.8
	max	Ibin	2.2
Tightening torque for coil terminal			
5 · · · · · · · · · · · · · · · · · · ·	min	Nm	0.8
	max	Nm	1
	min	Ibin	0.8
	max	Ibin	0.74
Max number of wires simultaneously connectable	ПОЛ	Nr.	2
Conductor section		1 111.	
AWG/Kcmil			
AVVG/RCIIII	may		6
Elevible w/e lug conductor costico	max		6
Flexible w/o lug conductor section	!	ma r== 2	2.5
	min	mm²	2.5



		max	mm²	16
	Flexible c/w lug conductor section			
		min	mm²	1
		max	mm²	10
	Flexible with insulated spade lug condu			
		min	mm²	1
		max	mm²	10
Power terminal protect	ction according to IEC/EN 60529			IP20 when properly wired
Mechanical features				
Operating position				
		normal		Vertical plan
_		allowable		±30°
Fixing				Screw / DIN rail 35mm
Weight			g	507
Conductor section				
	AWG/kcmil conductor section			
		max		6
Operations				
Mechanical life			cycles	20000000
Electrical life			cycles	1600000
Safety related data				
Performance level B1	0d according to EN/ISO 13489-1			100000
		rated load	cycles	1600000
Mirror contate accordi	ing to ICC/CN 600474 4 4	mechanical load	cycles	20000000
EMC compatibility	ng to IEC/EN 609474-4-1			yes
AC coil operating				yes
Rated AC voltage at 5	50/60Hz		V	230
AC operating voltage	0,001.12		<u> </u>	
re operaning remage	of 50/60Hz coil powered at 50Hz			
	pick-up			
	• •	min	%Us	80
		max	%Us	110
	drap aut			
	drop-out			
	drop-out	min	%Us	20
		min max		
	of 50/60Hz coil powered at 60Hz		%Us	20
		max	%Us %Us	20 55
	of 50/60Hz coil powered at 60Hz	max	%Us %Us %Us	20 55 85
	of 50/60Hz coil powered at 60Hz pick-up	max	%Us %Us	20 55
	of 50/60Hz coil powered at 60Hz	max min max	%Us %Us %Us %Us	20 55 85 110
	of 50/60Hz coil powered at 60Hz pick-up	max min max min	%Us %Us %Us %Us %Us	20 55 85 110 20
AC average coil consi	of 50/60Hz coil powered at 60Hz pick-up drop-out	max min max	%Us %Us %Us %Us	20 55 85 110
AC average coil const	of 50/60Hz coil powered at 60Hz pick-up drop-out	max min max min	%Us %Us %Us %Us %Us	20 55 85 110 20
AC average coil const	of 50/60Hz coil powered at 60Hz pick-up drop-out	max min max min	%Us %Us %Us %Us %Us	20 55 85 110 20
AC average coil const	of 50/60Hz coil powered at 60Hz pick-up drop-out	max min max min max	%Us %Us %Us %Us %Us %Us	20 55 85 110 20 55
AC average coil consu	of 50/60Hz coil powered at 60Hz pick-up drop-out	max min max min max	%Us %Us %Us %Us %Us %Us	20 55 85 110 20 55
AC average coil const	of 50/60Hz coil powered at 60Hz pick-up drop-out umption at 20°C of 50/60Hz coil powered at 50Hz	max min max min max	%Us %Us %Us %Us %Us %Us	20 55 85 110 20 55
AC average coil consu	of 50/60Hz coil powered at 60Hz pick-up drop-out umption at 20°C of 50/60Hz coil powered at 50Hz of 50/60Hz coil powered at 60Hz	max min max min max in-rush holding	%Us %Us %Us %Us %Us %Us VA	20 55 85 110 20 55 75
AC average coil const	of 50/60Hz coil powered at 60Hz pick-up drop-out umption at 20°C of 50/60Hz coil powered at 50Hz	min max min max in-rush holding in-rush holding	%Us %Us %Us %Us %Us VA VA	20 55 85 110 20 55 75 9
AC average coil const	of 50/60Hz coil powered at 60Hz pick-up drop-out umption at 20°C of 50/60Hz coil powered at 50Hz of 50/60Hz coil powered at 60Hz	min max min max in-rush holding in-rush	%Us %Us %Us %Us %Us %Us VA	20 55 85 110 20 55 75 9



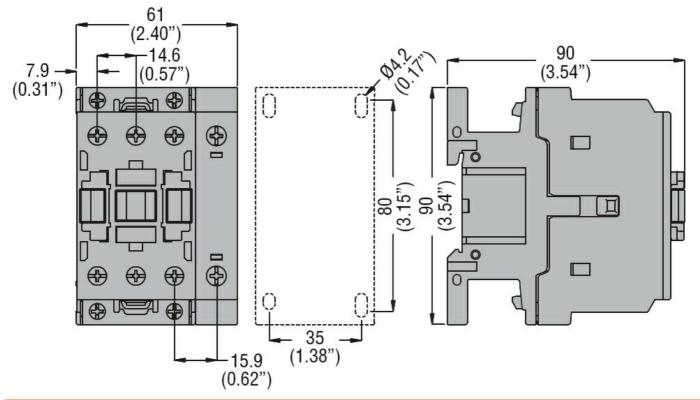
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		holding	VA	9
Dissipation at holding	≤20°C 50Hz	<u> </u>	W	2.5
Max cycles frequency				
Mechanical operation			cycles/h	3600
Operating times				
Average time for Us co				
	in AC			
	Closing NO			
		min	ms	8
	0 : 110	max	ms	24
	Opening NO			-
		min	ms	5
	Clasing NC	max	ms	15
	Closing NC	min	m .o	0
		min	ms	9 20
	Opening NC	max	ms	20
	Opening NC	min	ms	9
		max	ms	9 17
UL technical data		ıııax	1113	17
) for three-phase AC motor			
i dii lodd odirellt (i LA	, ioi anoo phaoo Ao motor	at 480V	Α	21
		at 600V	A	22
Yielded mechanical pe	arformance	at 000 v		22
rielded medianical pe	for single-phase AC motor			
	for single-phase AC motor	110/120V	HP	2
		230V	HP	5
	for three-phase AC motor	230 V	1 11	
	ioi tiliee-pilase Ao motoi	200/208V	HP	7.5
		220/230V	HP	7.5
		460/480V	HP	15
		575/600V	HP	20
General USE		0.0,000		
	Contactor			
	3	AC current	Α	45
Short-circuit protection	n fuse. 600V			
	High fault			
		Short circuit current	kA	100
		Fuse rating	Α	100
		Fuse class		J
	Standard fault			
		Short circuit current	kA	5
		Fuse rating	Α	100
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	on			
Pollution degree				3

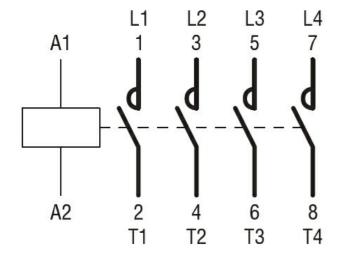


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Dimensions [mm (in)]



Wiring diagrams



Certifications and compliance

Compliance

CSA C22.2 n° 60947-1

CSA C22.2 n° 60947-4-1

IEC/EN/BS 60947-1

IEC/EN/BS 60947-4-1

UL 60947-1

UL 60947-4-1

Certificates

BF26T4A230

CCC

cULus

EAC

ETIM classification





CONTACTEUR BF26T4A, 4P (4NO), 45A AC1, 230V 50/60HZ

ETIM 8.0

EC000066 -Power contactor, AC switching