



Contact characteristics Number of poles Nr. 4 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 Operational current Ie AC-1 (≤40°C) A 36 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 IEC max current Ie in DC1 with L/R ≤ 1ms with 1 poles in series ≤24V A 25 48V A 21 75V A 18 110V A 6 220V A -	Product designation Product type designation			Power contactor BF26
Number of poles Nr. 4 Rated insulation voltage Ui IEC/EN V 690 Rated insulation voltage Withstand voltage Uimp kV 6 Operational frequency min HZ 25 max HZ 400 IEC Conventional free air thermal current Ith A 45 Operational current Ie AC-1 (≤40°C) A 45 AC-1 (≤70°C) A 36 AC-1 (≤70°C) A 36 AC-3 (≤4400 ×55°C) A 36 AC-1 (≤70°C) A 32 AC-3 (≤4400 ×55°C) A 36 AC-1 (≤70°C) A 32 AC-4 (4000) A 11.5 A 15 Rated operational power AC-1 (T≤40°C) 230V kW 17 4000 kW 30 500V kW 30 500V kW 30 500V kW 51 IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series ≤24V A 28 48V A A 28 75V A <td>T, T</td> <td></td> <td></td> <td>D1 20</td>	T, T			D1 20
Rated insulation voltage Ui IEC/EN V 690 Rated impulse withstand voltage Uimp kV 6 Operational frequency min H2 25 max H2 400 16C Conventional free air thermal current lth A 45 Operational current le AC-1 (≤40°C) A 45 AC-1 (≤55°C) A 36 AC-1 (≤70°C) A 32 AC-3 (≤440V ≤55°C) A 36 AC-4 (400V) A 11.5 Rated operational power AC-1 (T≤40°C) 230V kW 17 400V kW 30 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 AC-3 (≤440V ≤55°C) A 26 AC-4 (400V) A 11.5 IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series ≤24V A 25 48V A 21 75V A 26 48V A 28 48			Nr.	4
Rated impulse withstand voltage Ulimp	·			
Operational frequency min max Max Hz Max 45 Max IEC Conventional free air thermal current lth A 45 Operational current le 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 37 690V kW 37 690V kW 37 A00V kW 37			kV	
Min				
EC Conventional free air thermal current lth Operational current le		min	Hz	25
EC Conventional free air thermal current lith Operational current le			Hz	
AC-1 (≤40°C)	IEC Conventional free air thermal current Ith		Α	45
AC-1 (≤40°C)	Operational current le			
AC-1 (≤55°C) A 36 AC-1 (≤70°C) A 32 AC-3 (≤440V ≤55°C) A 26 AC-1 (≤70°C) A 26 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 IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series ≤24V A 25 48V A 21 75V A 18 110V A 6 220V A - IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series ≤24V A 28 48V A 28 75V A 25 110V A 22 220V A 2 IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series ≤24V A 28 48V A 28 75V A 25 110V A 22 220V A 2 IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series ≤24V A 28 48V A 28 75V A 25 110V A 22 220V A 2 IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series ≤24V A 28 48V A 28 75V A 25 110V A 24 220V A 20 IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series	·	AC-1 (≤40°C)	Α	45
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 IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series ≤24V A 25 48V A 21 75V A 18 110V A 6 220V A - IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series ≤24V A 28 48V A 28 75V A 25 110V A 25 1110V A 22 220V A 2 IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series ≤24V A 28 48V A 28 75V A 25 110V A 25 1110V A 24 220V A 2 IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series ≤24V A 28 48V A 28 75V A 25 110V A 24 220V A 20 IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series				36
AC-4 (400V) A 11.5		,	Α	32
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 A 25 48V A 21 75V A 18 110V A 6 220V A - IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series ≤24V A 28 48V A 28 75V A 25 110V A 22 220V A 2 IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series ≤24V A 28 48V A 28 75V A 25 110V A 22 220V A 2 IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series ≤24V A 28 48V A 28 75V A 25 110V A 24 220V A 20 IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series ≤24V A 28 48V A 28 75V A 25 110V A 24 220V A 20 IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series		AC-3 (≤440V ≤55°C)	Α	26
230V kW 17 400V kW 30 500V kW 37 690V kW 51		AC-4 (400V)	Α	11.5
A00V kW 30 500V kW 37 690V kW 51	Rated operational power AC-1 (T≤40°C)			
Soov kW 37 690V kW 51		230V	kW	17
EC max current le in DC1 with L/R ≤ 1ms with 1 poles in series ≤24V		400V	kW	30
Section Sec		500V	kW	37
\$\leq 24V		690V	kW	51
	IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series			
T5V		≤24V	Α	25
110V		48V	Α	21
EC max current le in DC1 with L/R ≤ 1ms with 2 poles in series ≤24V		75V	Α	18
IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series ≤24V A 28 48V A 28 75V A 25 110V A 22 220V A 2 IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series ≤24V A 28 48V A 28 48V A 28 75V A 25 110V A 24 220V A 20 IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series ≤24V A 28 48V A 28 75V A 25 110V A 24 220V A 20		110V	Α	6
≤24V		220V	Α	_
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series			
75V		≤24V	Α	28
110V A 22 220V A 2 2 220V A 2 2 2 2 2 2 2 2 2			Α	
EC max current le in DC1 with L/R ≤ 1ms with 3 poles in series ≤24V			Α	
IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series ≤24V A 28 48V A 28 75V A 25 110V A 24 220V A 20 IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series ≤24V A 28 48V A 28 48V A 28 48V A 28 75V A 25 110V A 25 110V A 24				
≤24V A 28 48V A 28 75V A 25 110V A 24 220V A 20 220V A 20 220V A 28 48V A 28 48V A 28 48V A 28 48V A 28 75V A 25 110V A 24 24 24 24 25 110V A 24 24 24 24 24 25 24 25 24 25 24 24		220V	A	2
	IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series			
110V A 24 220V A 20 IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series ≤24V A 28 48V A 28 75V A 25 110V A 24				
220V A 20 IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series ≤24V A 28 48V A 28 75V A 25 110V A 24				
IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series ≤24V A 28 48V A 28 75V A 25 110V A 24				
≤24V A 28 48V A 28 75V A 25 110V A 24		220V	Α	20
48V A 28 75V A 25 110V A 24	IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series			
75V A 25 110V A 24				
110V A 24				
220V A 26				
		220V	Α	26



ENERGY AND AUTOMATION

IEC max current le in D	C3-DC5 with L/R ≤ 15ms with 1 poles in series			
. –	,	≤24V	Α	18
		48V	Α	15
		75V	Α	13
		110V	A	2
		220V	A	_
IFC may current to in D	C2 DC5 with L/D < 15mg with 2 pales in series	220 V	A	
iec max current le in D	C3-DC5 with L/R ≤ 15ms with 2 poles in series	-0.01		
		≤24V	Α	20
		48V	Α	20
		75V	Α	18
		110V	Α	13
		220V	Α	3
IEC max current le in D	C3-DC5 with L/R ≤ 15ms with 3 poles in series			
		≤24V	Α	25
		48V	Α	25
		75V	Α	20
		110V	A	18
		220V	A	19
IFC may a	C2 DCE with 1 /D < 45 with 4 ! ! !	2201	Α	13
IEC max current le in D	C3-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 cu	rrent for 10s (IEC/EN60947-1)		Α	210
Protection fuse	,			
		gG (IEC)	Α	50
		aM (IEC)	Α	32
Making capacity (RMS v	value)	aw (ilo)	A	260
			A	200
Breaking capacity at vol	tage	4.401.4		
		440V	Α	208
		500V	Α	184
-		690V	Α	168
Resistance per pole (av	rerage value)		$m\Omega$	2
Power dissipation per per	ole (average value)			
		Ith	W	4
		AC-3	W	1.4
Tightening torque for ter	rminals			
gsig torquo ioi toi	······ ·	min	Nm	2.5
			Nm	3
		max		
		min	Ibin	1.8
		max	Ibin	2.2
Tightening torque for co	ıl terminal			
		min	Nm	0.8
		max	Nm	1
		min	lbin	0.8
		max	lbin	0.74
Max number of wires sir	multaneously connectable		Nr.	2
Conductor section	,			
	AWG/Kcmil			
	AVVO/AGIIII	may		6
	Flavible w/s has an about a set of	max		6
	Flexible w/o lug conductor section			0.5
		min	mm²	2.5





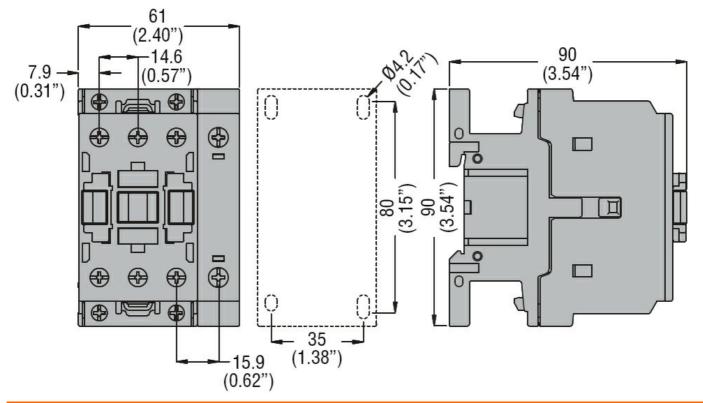
	max	mm²	16
	Flexible c/w lug conductor section		
	min	mm²	1
	max	mm²	10
	Flexible with insulated spade lug conductor section		
	min	mm²	1
	max	mm²	10
Power terminal protec	tion according to IEC/EN 60529		IP20 when
Mechanical features			properly wired
Operating position			
operating position	normal		Vertical plan
	allowable		±30°
	dilonasio		Screw / DIN rail
Fixing			35mm
Weight		g	507
Conductor section		9	001
23.1440101 00011011	AWG/kcmil conductor section		
	max		6
Operations	THICK		
Mechanical life		cycles	20000000
Electrical life		cycles	1600000
Safety related data		Cycles	1000000
	Od according to EN/ISO 13489-1		
T CHOITHAILCE ICVCI DIV	rated load	cycles	1600000
	mechanical load	cycles	2000000
Mirror contats accordi	ng to IEC/EN 609474-4-1	Cycles	yes
EMC compatibility	ig to 120/214 000474 4 1		yes
AC coil operating			yes
Rated AC voltage at 6	0H7	V	230
AC operating voltage	0112	· ·	200
710 operating voltage	of 60Hz coil powered at 60Hz		
	pick-up		
	min	%Us	80
	max	%Us	110
	drop-out	7003	110
	min	%Us	20
	max	%Us	55
AC average coil consu		,,,,,,	
	of 60Hz coil powered at 60Hz		
	in-rush	VA	75
	holding	VA	9
Dissipation at holding	<u>`</u>	W	2.5
Max cycles frequency		•••	
Mechanical operation		cycles/h	3600
Operating times		-, 0.00/11	
Average time for Us co	ontrol		
	in AC		
	Closing NO		
	min	ms	8
	max	ms	24
	Opening NO	1113	
	min	ms	5
	max	ms	15
	IIIdA	1113	



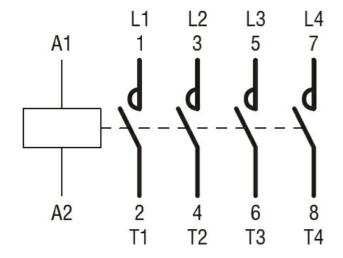
	Closing NC			
	-	min	ms	9
		max	ms	20
	Opening NC			
		min	ms	9
		max	ms	17
UL technical data				
Full-load current (FLA)	for three-phase AC motor			
		at 480V	Α	21
		at 600V	Α	22
Yielded mechanical pe	rformance			
	for single-phase AC motor			
		110/120V	HP	2
		230V	HP	5
	for three-phase AC motor			
		200/208V	HP	7.5
		220/230V	HP	7.5
		460/480V	HP	15
		575/600V	HP	20
General USE				
	Contactor			
		AC current	Α	45
Short-circuit protection	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 & Protectio	n Table 1			
Pollution degree				3
Dimensions				

ENERGY AND AUTOMATION

FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 45A, AC COIL 50/60HZ, 230VAC - IEC/EN/BS 60335-1



Wiring diagrams



Certifications and compliance

Compliance

CSA C22.2 n° 60947-1

CSA C22.2 n° 60947-4-1

IEC/EN/BS 60335-1

IEC/EN/BS 60947-1

IEC/EN/BS 60947-4-1

UL 60947-1

UL 60947-4-1

Certificates

CCC

cULus

EAC

ETIM classification



BF26T4A230V260

FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 45A, AC COIL 50/60HZ, 230VAC - IEC/EN/BS 60335-1

ETIM 8.0

EC000066 -Power contactor, AC switching