

FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 45A, AC COIL 60HZ, 230VAC



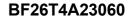
Contact characteristics Number of poles Nr. 4 4 Rated insulation voltage Ui IEC/EN V 690 Rated insulation voltage Uimp kV 6 Operational frequency min Hz 25 max 25 max IEC Conventional free air thermal current Ith A 45 Operational current Ie AC-1 (≤40°C) A 36 AC-1 (≤55°C) A 36 AC-1 (≤55°C) A 36 AC-1 (≤55°C) A 26 AC-1 (≤400°C) A 26 AC-4 (4000°C) A 11.5 Rated operational power AC-1 (T≤40°C) 230V kW 17 400°C kW 30 500°C kW 37 690°C kW 37 690°C kW 51 IEC max current Ie in DC1 with L/R ≤ 1ms with 1 poles in series ≤24V A 25 48 A 21 75°C A 18 110°C A 6 220°C A - 18 110°C A 6 220°C A - 20°C A 220°C A - 20°C A 22°C	Product designation Product type designation			Power contactor BF26
Rated insulation voltage Ui IEC/EN Rated impulse withstand voltage Uimp My 6	Contact characteristics			
Rated impulse withstand voltage Ulimp	Number of poles		Nr.	4
Rated impulse withstand voltage Ulimp	Rated insulation voltage Ui IEC/EN		V	690
Min	Rated impulse withstand voltage Uimp		kV	6
IEC Conventional free air thermal current lth	Operational frequency			
IEC Conventional free air thermal current lth Operational current le		min	Hz	25
Operational current le AC-1 (≤40°C)		max	Hz	400
AC-1 (≤40°C) A 45 AC-1 (≤55°C) A 36 AC-1 (≤55°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 22 220V A 2 IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series ≤24V 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 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 20 IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series	IEC Conventional free air thermal current Ith		Α	45
AC-1 (≤55°C)	Operational current le			
AC-1 (≤55°C)	·	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 26 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		· · ·	Α	36
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 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		,	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 2 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		,	Α	26
230V kW 17 400V kW 30 500V kW 37 690V kW 51		•	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
Section Sec		400V	kW	30
Section Sec		500V	kW	37
\$\leq 24V		690V	kW	51
48V	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
Section Sec		110V	Α	6
≤24V		220V	Α	_
	IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series			
T5V A 25 110V A 22 220V A 2 220V A 28 48V A 28 48V A 25 110V A 24 220V A 20 220V A 20 220V A 28 48V A 28 75V A 25 110V A 24 24 24 24 24 24 25 110V A 24 24 24 24 24 24 24		≤24V	Α	28
110V A 22 220V A 2 2 220V A 2 2 2 2 2 2 2 2 2		48V	Α	28
EC max current le in DC1 with L/R ≤ 1ms with 3 poles in series ≤24V		75V	Α	25
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		110V	Α	22
≤24V A 28 48V A 28 75V A 25 110V A 24 220V A 20 220V A 20 224V A 28 48V A 28 48V A 28 48V A 28 75V A 25 110V A 24 25 110V A 24 24 24 24 25 24 25 24 25 24 25 24 25 24 25 24 25 24 24		220V	Α	2
≤24V A 28 48V A 28 75V A 25 110V A 24 220V A 20 220V A 20 224V A 28 48V A 28 48V A 28 48V A 28 75V A 25 110V A 24 25 110V A 24 24 24 24 25 24 25 24 25 24 25 24 25 24 25 24 25 24 24	IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series			
T5V A 25 110V A 24 220V A 20		≤24V	Α	28
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		48V	Α	28
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		75V	Α	25
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		110V	Α	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		≤24V	Α	28
110V A 24		48V	Α	28
		75V	Α	25
220V A 26		110V	Α	24
		220V	Α	26





FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 45A, AC COIL 60HZ,

IEC max current le in E	DC3-DC5 with L/R ≤ 15ms with 1 poles in series			
		≤24V	Α	18
		48V	Α	15
		75V	Α	13
		110V	Α	2
		220V	Α	_
IFC may current le in F	DC3-DC5 with L/R ≤ 15ms with 2 poles in series	220 V	, , ,	
ILO IIIAX CUITEIILIE III L	703-DC3 With E/IV = 13ths with 2 poles in series	-211 /	٨	20
		≤24V	A	20
		48V	Α	20
		75V	Α	18
		110V	Α	13
		220V	Α	3
IEC max current le in E	DC3-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
IEC may aurrent le in F	OC3 DC5 with L/D < 15mg with 1 nalog in carios	2201	^	13
IEC IIIax current le in L	DC3-DC5 with L/R ≤ 15ms with 4 poles in series	20.41	Δ.	20
		≤24V	Α	30
		48V	Α	30
		75V	Α	25
		110V	Α	20
		220V	Α	15
Short-time allowable cu	urrent for 10s (IEC/EN60947-1)		Α	210
Protection fuse	· · · · · · · · · · · · · · · · · · ·			
		gG (IEC)	Α	50
		aM (IEC)	A	32
Making capacity (RMS	value)	aivi (ILO)		260
				200
Breaking capacity at vo	ntay e	4.401.1		000
		440V	Α	208
		500V	Α	184
		690V	Α	168
Resistance per pole (a	verage value)		mΩ	2
Power dissipation per p	pole (average value)			
· · ·	- ,	lth	W	4
		AC-3	W	1.4
Tightening torque for te	erminals	,,,,,		
riginorning torque for te	, in the second	min	Nim	2.5
		min	Nm Nm	2.5
		max	Nm	3
		min	Ibin	1.8
		max	Ibin	2.2
Tightening torque for co	oil terminal			
		min	Nm	0.8
		max	Nm	1
		min	lbin	0.8
		max	lbin	0.74
Max number of wires si	imultaneously connectable		Nr.	2
Conductor section				
CONTRACTOR SECTION	AMC/Komil			
	AWG/Kcmil			0
		max		6
	Flexible w/o lug conductor section			
		min	mm²	2.5





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	max	mm²	16
FI	exible c/w lug conductor section		
	min	mm²	1
	max	mm²	10
FI	exible with insulated spade lug conductor section		
	min	mm²	1
	max	mm²	10
Power terminal protection	according to IEC/EN 60529		IP20 when
	according to IEO/EN 00029		properly wired
Mechanical features			
Operating position			
	normal		Vertical plan
	allowable		±30°
Fixing			Screw / DIN rail
I Mily			35mm
Weight		g	504
Conductor section			
A	WG/kcmil conductor section		
	max		6
Operations			
Mechanical life		cycles	20000000
Electrical life		cycles	1600000
Safety related data		.,	
	according to EN/ISO 13489-1		
r orrormando lovor Broa e	rated load	cycles	1600000
	mechanical load	cycles	2000000
Mirror contats according to		Сусісз	
EMC compatibility	0120/214 0004/4 4 1		yes
AC coil operating			yes
Rated AC voltage at 60Hz		V	230
AC operating voltage	•	v	200
	60Hz coil powered at 60Hz		
Oi	pick-up		
	ріск-ир min	%Us	80
	max	%Us	110
		/005	110
	drop-out	%Us	20
	min		20
AC average coil consump	tion at 20°C	%Us	55
Of	60Hz coil powered at 60Hz	١/٨	75
	in-rush	VA	75
Distriction of the University	holding	VA	9
Dissipation at holding ≤20	TO DUHZ	W	2.5
Max cycles frequency			0000
Mechanical operation		cycles/h	3600
Operating times			
Average time for Us contr			
in	AC		
	Closing NO		
	min	ms	8
	max	ms	24
	Opening NO		
	min	ms	5
		ms	15



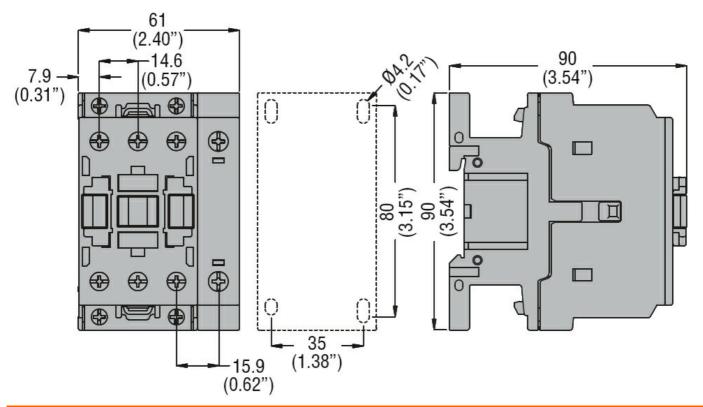


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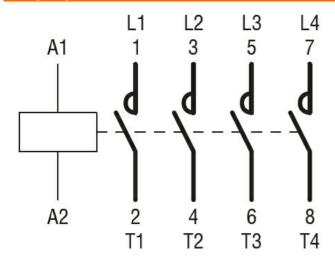
	Closing NC			
	_	min	ms	9
		max	ms	20
	Opening NC			
		min	ms	9
		max	ms	17
UL technical data				
Full-load current (FLA)	for three-phase AC motor			
		at 480V	Α	21
		at 600V	Α	22
Yielded mechanical pe				
	for single-phase AC motor			
		110/120V	HP	2
		230V	HP	5
	for three-phase AC motor			
		200/208V	HP	7.5
		220/230V	HP	7.5
		460/480V	HP	15
		575/600V	HP	20
General USE				
	Contactor	40		4.5
0		AC current	Α	45
Short-circuit protection				
	High fault	01 - 4 - 1 - 1		400
		Short circuit current	kA	100
		Fuse rating	Α	100
	Otan dand facilit	Fuse class		J
	Standard fault	Chart aireadh ac ara	I. A	E
		Short circuit current	kA ^	5
Ambient conditions		Fuse rating	Α	100
Temperature	Operating temperature			
	Operating temperature	min	°C	-50
		min max	°C	-50 70
	Storage temperature	IIIdX		10
	Otorage temperature	min	°C	-60
		max	°C	80
Max altitude		IIIdx	m	3000
Resistance & Protection	n			
Pollution degree				3
Dimensions				
DIMONOION				



FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 45A, AC COIL 60HZ, 230VAC



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

CCC

cULus

EAC

ETIM classification



BF26T4A23060

FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 45A, AC COIL 60HZ, 230VAC

ETIM 8.0

EC000066 -Power contactor, AC switching