

THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 26A, AC COIL 50/60HZ, 400VAC



Product designation Product type designation			Power contactor BF26
Contact characteristics			2. 20
Number of poles		Nr.	3
Rated insulation voltage Ui IEC/EN		V	690
Rated impulse withstand voltage Uimp		kV	6
Operational frequency			
-1	min	Hz	25
	max	Hz	400
IEC Conventional free air thermal current Ith		Α	45
Operational current le			
	AC-1 (≤40°C)	Α	45
	AC-1 (≤55°C)	Α	36
	AC-1 (≤70°C)	Α	32
	AC-3 (≤440V ≤55°C)	Α	26
	AC-4 (400V)	Α	11.5
Rated operational power AC-3 (T≤55°C)			
	230V	kW	7.3
	400V	kW	13
	415V	kW	14
	440V	kW	14
	500V	kW	15.6
	690V	kW	18.5
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			
	≤24V	Α	28
	48V	Α	28
	75V	Α	25
	110V	Α	24



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	220V	Α	20
IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series			
	≤24V	Α	28
	48V	Α	28
	75V	Α	25
	110V	Α	24
	220V	Α	26
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 1 poles in series			
	≤24V	Α	18
	48V	A	15
	75V	Α	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 E/N = 13ms with 2 poles in series	≤24V	Α	20
	48V	A	20
	75V	A	18
	110V	A	13
150 (1 ' D00 D05 ''' 1/D 1/5 ''' 0 ''' 1	220V	Α	3
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series		_	
	≤24V	Α	25
	48V	Α	25
	75V	Α	20
	110V	Α	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			
5	440V	Α	208
	500V	A	184
	690V	A	168
Resistance per pole (average value)	330 V	mΩ	2
Power dissipation per pole (average value)		11122	
i owei dissipation pei pole (average value)	Ith	۱۸/	1
		W	4
Tightoning torque for torminals	AC-3	W	1.4
Tightening torque for terminals		N I.a.:	2.5
	min	Nm	2.5
	max	Nm	3
	min	lbin 	1.8
	max	Ibin	2.2
Tightening torque for coil terminal		_	
	min	Nm	0.8
	max	Nm	1
	min	lbin	0.8



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		max	Ibin	0.74
Max number of wires s	simultaneously connectable		Nr.	2
Conductor section				
	AWG/Kcmil			
		max		6
	Flexible w/o lug conductor section			
		min	mm²	2.5
		max	mm²	16
	Flexible c/w lug conductor section		2	4
		min	mm²	1
	Clavible with insulated anada lug conductor acction	max	mm²	10
	Flexible with insulated spade lug conductor section	min	mm²	1
		max	mm²	10
		IIIax	111111	IP20 when
Power terminal protec	tion according to IEC/EN 60529			properly wired
Mechanical features				p. 52 511, WILOU
Operating position				
		normal		Vertical plan
		allowable		±30°
Fixing				Screw / DIN rail 35mm
Weight			g	436
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			
		rated load	cycles	1600000
B.4'		echanical load	cycles	20000000
Mirror contats according	na to IEC/EN 600474 4 1			
	119 10 120/211 009474-4-1			yes
EMC compatibility	ng to 120/2N 009474-4-1			yes yes
EMC compatibility AC coil operating			W	yes
EMC compatibility AC coil operating Rated AC voltage at 5			V	
EMC compatibility AC coil operating	50/60Hz		V	yes
EMC compatibility AC coil operating Rated AC voltage at 5	of 50/60Hz coil powered at 50Hz		V	yes
EMC compatibility AC coil operating Rated AC voltage at 5	50/60Hz	min		yes 400
EMC compatibility AC coil operating Rated AC voltage at 5	of 50/60Hz coil powered at 50Hz	min max	%Us	yes 400 80
EMC compatibility AC coil operating Rated AC voltage at 5	of 50/60Hz coil powered at 50Hz pick-up	min max		yes 400
EMC compatibility AC coil operating Rated AC voltage at 5	of 50/60Hz coil powered at 50Hz	max	%Us %Us	yes 400 80 110
EMC compatibility AC coil operating Rated AC voltage at 5	of 50/60Hz coil powered at 50Hz pick-up		%Us	yes 400 80
EMC compatibility AC coil operating Rated AC voltage at 5	of 50/60Hz coil powered at 50Hz pick-up drop-out	max min	%Us %Us %Us	yes 400 80 110 20
EMC compatibility AC coil operating Rated AC voltage at 5	of 50/60Hz coil powered at 50Hz pick-up	max min	%Us %Us %Us	yes 400 80 110 20
EMC compatibility AC coil operating Rated AC voltage at 5	of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz	max min	%Us %Us %Us	yes 400 80 110 20
EMC compatibility AC coil operating Rated AC voltage at 5	of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz	max min max	%Us %Us %Us %Us	yes 400 80 110 20 55
EMC compatibility AC coil operating Rated AC voltage at 5	of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz	max min max min	%Us %Us %Us %Us	yes 400 80 110 20 55
EMC compatibility AC coil operating Rated AC voltage at 5	of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz pick-up	max min max min	%Us %Us %Us %Us	yes 400 80 110 20 55

of 50/60Hz coil powered at 50Hz





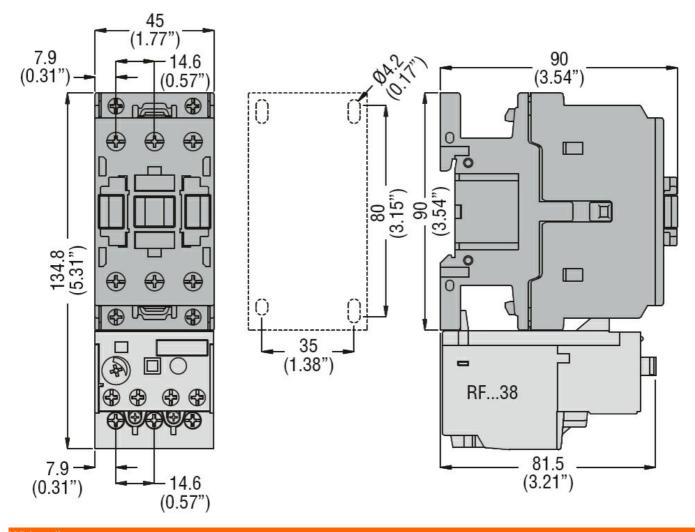
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		in-rush	VA	75
		holding	VA	9
	of 50/60Hz coil powered at 60Hz	Tiolding	V/ (
	of 50/00F12 coil powered at 60F12	ماميرية من	١/٨	70
		in-rush	VA	70
	-	holding	VA	6.5
	of 60Hz coil powered at 60Hz			
		in-rush	VA	75
		holding	VA	9
Dissipation at holding	≤20°C 50Hz		W	2.5
Max cycles frequency				
Mechanical operation			cycles/h	3600
Operating times			0 9 0 10 0 7 1 1	0000
	ontrol			
Average time for Us of				
	in AC			
	Closing NO			
		min	ms	8
		max	ms	24
	Opening NO			
	, ,	min	ms	5
		max	ms	15
	Closing NC	max	5	. •
	Closing NO	min	ms	9
	0 · · · · · · · · NO	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	erformance			
, , , , , , , , , , , , , , , , , , ,	for single-phase AC motor			
	Tot single phase to 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			
	233000	AC current	Α	45
Short circuit protection	o fuso 600\/	AO GUITEIR		-TU
Short-circuit protection				
	High fault	0 1		4.0.0
		Short circuit current	kA	100
		Fuse rating	Α	100
		Fuse class		J
	Standard fault			
		Short circuit current	kA	5
		Fuse rating	A	100
Ambient conditions		i doo rating	/\	
Temperature	Out of the terms of			
	Operating temperature		. .	
		min	°C	-50



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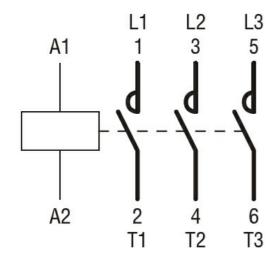
	max	°C	70
Storage temperature			
	min	°C	-60
	max	°C	80
Max altitude		m	3000
Resistance & Protection			
Pollution degree			3
Dimensions			



Wiring diagrams

ENERGY AND AUTOMATION

THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 26A, AC COIL 50/60HZ,



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

ETIM 8.0

EC000066 -Power contactor, AC switching