



Product designation Product type designation			Power contactor BF26
Contact characteristics			
Number of poles		Nr.	3
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		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



	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	Α	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



May number of odes -	nimultan aqualy aqua astable	max	lbin	0.74
	simultaneously connectable		Nr.	2
Conductor section	AWG/Kcmil			
	AWG/Remii	max		6
	Flexible w/o lug conductor section	max		
	o	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	ction according to IEC/EN 60529			IP20 when properly wired
Mechanical features				property who
Operating position				
		normal		Vertical plan
		allowable		±30°
Fixing				Screw / DIN rail 35mm
Weight			g	430
Conductor section				
	AWG/kcmil conductor section			
Onenstiens		max		6
Operations Machanical life			ovoloo	2000000
Mechanical life Electrical life			cycles cycles	20000000 1600000
Safety related data			cycles	1600000
•	0d according to EN/ISO 13489-1			
· onomianos istor Bi	od doording to Environ to loo t			
		rated load	cvcles	1600000
	m	rated load nechanical load	cycles cycles	1600000 20000000
Mirror contats accordi	m ing to IEC/EN 609474-4-1		cycles cycles	1600000 20000000 yes
Mirror contats accordi EMC compatibility			-	20000000
EMC compatibility			-	20000000 yes
EMC compatibility AC coil operating Rated AC voltage at 5	ing to IEC/EN 609474-4-1		-	20000000 yes
EMC compatibility AC coil operating Rated AC voltage at 5	ing to IEC/EN 609474-4-1 50/60Hz		cycles	20000000 yes yes
EMC compatibility AC coil operating Rated AC voltage at 5	of 50/60Hz coil powered at 50Hz		cycles	20000000 yes yes
EMC compatibility AC coil operating Rated AC voltage at 5	ing to IEC/EN 609474-4-1 50/60Hz	nechanical load	v	20000000 yes yes 48
EMC compatibility AC coil operating Rated AC voltage at 5	of 50/60Hz coil powered at 50Hz	nechanical load	v V	20000000 yes yes 48
	of 50/60Hz coil powered at 50Hz pick-up	nechanical load	v	20000000 yes yes 48
EMC compatibility AC coil operating Rated AC voltage at 5	of 50/60Hz coil powered at 50Hz	min max	v V %Us %Us	20000000 yes yes 48
EMC compatibility AC coil operating Rated AC voltage at 5	of 50/60Hz coil powered at 50Hz pick-up	min max	v V %Us %Us %Us	20000000 yes yes 48 80 110
EMC compatibility AC coil operating Rated AC voltage at 5	of 50/60Hz coil powered at 50Hz pick-up	min max	v V %Us %Us	20000000 yes yes 48
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	min max	v V %Us %Us %Us	20000000 yes yes 48 80 110
EMC compatibility AC coil operating Rated AC voltage at 5	of 50/60Hz coil powered at 50Hz pick-up	min max	v V %Us %Us %Us	20000000 yes yes 48 80 110
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	min max min max	v %Us %Us %Us %Us	20000000 yes yes 48 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	min max min max	v V %Us %Us %Us %Us	20000000  yes  yes  48  80 110  20 55
EMC compatibility AC coil operating Rated AC voltage at 5	of 50/60Hz coil powered at 50Hz pick-up  of 50/60Hz coil powered at 60Hz pick-up	min max min max	v V %Us %Us %Us %Us	20000000  yes  yes  48  80 110  20 55

of 50/60Hz coil powered at 50Hz

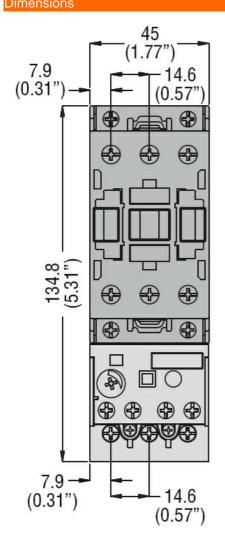


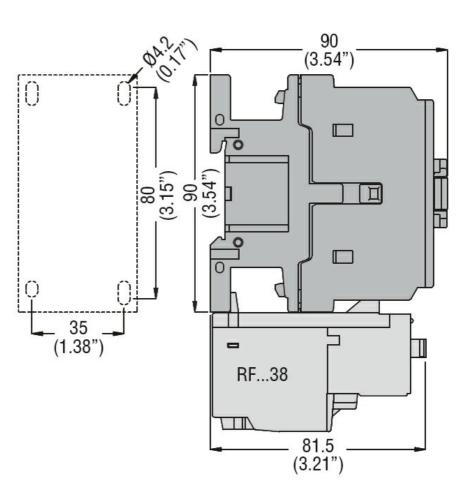


		in-rush	VA	75
		holding	VA	9
	of 50/60Hz coil powered at 60Hz	9		
	01 00/00112 0011 powerou at 00112	in-rush	VA	70
		holding	VA	6.5
	of 60Hz coil powered at 60Hz	riolaling	٧٨	0.0
	of our 12 con powered at our 12	in-rush	١/٨	75
			VA	75
Di	40000 FOLL	holding	VA	9
Dissipation at holding	\$20°C 50HZ		W	2.5
Max cycles frequency				0000
Mechanical operation			cycles/h	3600
Operating times				
Average time for Us co				
	in AC			
	Closing NO			
		min	ms	8
		max	ms	24
	Opening NO			
		min	ms	5
		max	ms	15
	Closing NC			
	•	min	ms	9
		max	ms	20
	Opening NC			
	- p	min	ms	9
		max	ms	17
UL technical data				
	for three-phase AC motor			
	THE THEOLOGICAL AND THE STATE OF THE STATE O			
, , , , , , , , , , , , , , , , , , , ,	Tot titled phase Ad Hiotol	at 480V	Α	21
, ,	Tot tilled phase Ao Hiotol	at 480V	A	21
		at 480V at 600V	A A	21 22
Yielded mechanical pe	rformance			
		at 600V	Α	22
	rformance	at 600V 110/120V	A HP	22
	rformance for single-phase AC motor	at 600V	Α	22
	rformance	at 600V 110/120V 230V	A HP HP	22 2 5
	rformance for single-phase AC motor	at 600V 110/120V 230V 200/208V	HP HP	22 2 5 7.5
	rformance for single-phase AC motor	at 600V 110/120V 230V 200/208V 220/230V	HP HP HP	22 2 5 7.5 7.5
	rformance for single-phase AC motor	at 600V 110/120V 230V 200/208V 220/230V 460/480V	HP HP HP HP	22 2 5 7.5 7.5 15
Yielded mechanical pe	rformance for single-phase AC motor	at 600V 110/120V 230V 200/208V 220/230V	HP HP HP	22 2 5 7.5 7.5
	rformance for single-phase AC motor  for three-phase AC motor	at 600V 110/120V 230V 200/208V 220/230V 460/480V	HP HP HP HP	22 2 5 7.5 7.5 15
Yielded mechanical pe	rformance for single-phase AC motor	at 600V 110/120V 230V 200/208V 220/230V 460/480V 575/600V	HP HP HP HP	22 2 5 7.5 7.5 15
Yielded mechanical pe	rformance for single-phase AC motor  for three-phase AC motor	at 600V 110/120V 230V 200/208V 220/230V 460/480V	HP HP HP HP	22 2 5 7.5 7.5 15
Yielded mechanical pe	rformance for single-phase AC motor  for three-phase AC motor  Contactor	at 600V 110/120V 230V 200/208V 220/230V 460/480V 575/600V	HP HP HP HP HP	22 2 5 7.5 7.5 15 20
Yielded mechanical pe	rformance for single-phase AC motor  for three-phase AC motor  Contactor	at 600V 110/120V 230V 200/208V 220/230V 460/480V 575/600V	HP HP HP HP HP	22 2 5 7.5 7.5 15 20
Yielded mechanical pe	rformance for single-phase AC motor  for three-phase AC motor  Contactor  fuse, 600V	at 600V 110/120V 230V 200/208V 220/230V 460/480V 575/600V	HP HP HP HP HP	22 2 5 7.5 7.5 15 20
Yielded mechanical pe	rformance for single-phase AC motor  for three-phase AC motor  Contactor  fuse, 600V	at 600V 110/120V 230V 200/208V 220/230V 460/480V 575/600V AC current	HP HP HP HP HP	22 5 7.5 7.5 15 20
Yielded mechanical pe	rformance for single-phase AC motor  for three-phase AC motor  Contactor  fuse, 600V	at 600V  110/120V 230V  200/208V 220/230V 460/480V 575/600V  AC current	HP HP HP HP HP	22 5 7.5 7.5 15 20 45
Yielded mechanical pe	rformance for single-phase AC motor  for three-phase AC motor  Contactor  fuse, 600V	at 600V  110/120V 230V  200/208V 220/230V 460/480V 575/600V  AC current Fuse rating	HP HP HP HP HP	22 5 7.5 7.5 15 20 45
Yielded mechanical pe	rformance for single-phase AC motor  for three-phase AC motor  Contactor  fuse, 600V High fault	at 600V  110/120V 230V  200/208V 220/230V 460/480V 575/600V  AC current Fuse rating Fuse class	HP HP HP HP HP	22 2 5 7.5 7.5 15 20 45 100 100 J
Yielded mechanical pe	rformance for single-phase AC motor  for three-phase AC motor  Contactor  fuse, 600V High fault	at 600V  110/120V 230V  200/208V 220/230V 460/480V 575/600V  AC current Fuse rating Fuse class  Short circuit current	A HP HP HP HP A  kA A	22 5 7.5 7.5 15 20 45 100 100 J
Yielded mechanical per General USE  Short-circuit protection	rformance for single-phase AC motor  for three-phase AC motor  Contactor  fuse, 600V High fault	at 600V  110/120V 230V  200/208V 220/230V 460/480V 575/600V  AC current Fuse rating Fuse class	HP HP HP HP HP	22 2 5 7.5 7.5 15 20 45 100 100 J
Yielded mechanical per General USE  Short-circuit protection  Ambient conditions	rformance for single-phase AC motor  for three-phase AC motor  Contactor  fuse, 600V High fault	at 600V  110/120V 230V  200/208V 220/230V 460/480V 575/600V  AC current Fuse rating Fuse class  Short circuit current	A HP HP HP HP A  kA A	22 5 7.5 7.5 15 20 45 100 100 J
Yielded mechanical per General USE  Short-circuit protection	rformance for single-phase AC motor  for three-phase AC motor  Contactor  fuse, 600V High fault  Standard fault	at 600V  110/120V 230V  200/208V 220/230V 460/480V 575/600V  AC current Fuse rating Fuse class  Short circuit current	A HP HP HP HP A  kA A	22 5 7.5 7.5 15 20 45 100 100 J
Yielded mechanical per General USE  Short-circuit protection  Ambient conditions	rformance for single-phase AC motor  for three-phase AC motor  Contactor  fuse, 600V High fault	at 600V  110/120V 230V  200/208V 220/230V 460/480V 575/600V  AC current Fuse rating Fuse class  Short circuit current	A HP HP HP HP A  kA A	22 5 7.5 7.5 15 20 45 100 100 J



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

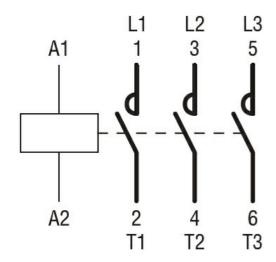




Wiring diagrams

**ENERGY AND AUTOMATION** 

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



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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