

## FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 32A, AC COIL 50/60HZ, 400VAC, 2NO AND 2NC



		Power contactor
		BF18
	Nr.	4
		690
		6
min	Hz	25
		400
		32
AC-1 (≤40°C)	Α	32
		26
, , ,		23
		18
,		8.5
710 4 (4001)		0.0
2301/	k\//	12
		21
		26
		36
090 V		200
		200
aG (IEC)	۸	32
• • • • • • • • • • • • • • • • • • • •		20
aivi (ILC)		180
		100
4401/	۸	144
		120
690 V		94 2.5
	11177	2.3
lth	۱۸/	2.6
		2.6
AC-3	VV	0.8
	N I.a.:	4 5
		1.5
		1.8
		1.1
max	niai	1.5
		2.2
		0.8
		1
		0.8
max		0.74
	Nr.	2
	min max  AC-1 (≤40°C) AC-1 (≤55°C) AC-1 (≤70°C) AC-3 (≤440V ≤55°C) AC-4 (400V)  230V 400V 500V 690V  gG (IEC) aM (IEC)  440V 500V 690V  Ith AC-3  min max	Max         Hz           A           AC-1 (≤40°C)         A           AC-1 (≤55°C)         A           AC-3 (≤440V ≤55°C)         A           AC-4 (400V)         A           230V         kW           400V         kW           500V         kW           690V         kW           A         A           440V         A           500V         A           690V         A           MQ         A           MQ



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Conductor section	AWG/Kcmil		
	max		10
	Flexible w/o lug conductor section		
	min	mm²	1
	max	mm²	6
	Flexible c/w lug conductor section		
	min	mm²	1
	max	mm²	4
	Flexible with insulated spade lug conductor section		4
	min max	mm² mm²	1 4
		111111	IP20 when
Power terminal protect	tion according to IEC/EN 60529		properly wired
Mechanical features			
Operating position			
	normal		Vertical plan
	allowable		±30°
Fixing			Screw / DIN rail 35mm
Weight		g	370
Conductor section			
	AWG/kcmil conductor section		
· ·	max		10
Operations Machanical life		ovelee	20000000
Mechanical life Electrical life		cycles	20000000 1600000
Safety related data		cycles	1600000
	Od according to EN/ISO 13489-1		
r orrormance level B iv	rated load	cycles	1600000
	mechanical load	cycles	20000000
Mirror contats according	ng to IEC/EN 609474-4-1		YES
EMC compatibility			yes
AC coil operating			
Rated AC voltage at 5	0/60Hz	V	400
AC operating voltage			
AC operating voltage	of 50/60Hz coil powered at 50Hz		
AC operating voltage	pick-up	0/11	0.0
AC operating voltage	pick-up min	%Us	80
AC operating voltage	pick-up min max	%Us %Us	80 110
AC operating voltage	pick-up min max drop-out	%Us	110
AC operating voltage	pick-up min max drop-out min	%Us %Us	110 20
AC operating voltage	pick-up min max drop-out min max	%Us	110
AC operating voltage	pick-up min max drop-out min max of 50/60Hz coil powered at 60Hz	%Us %Us	110 20
AC operating voltage	pick-up min max drop-out min max	%Us %Us	110 20
AC operating voltage	pick-up  min max  drop-out  min min max  of 50/60Hz coil powered at 60Hz pick-up	%Us %Us %Us	110 20 55
AC operating voltage	pick-up min max drop-out min max of 50/60Hz coil powered at 60Hz pick-up min	%Us %Us %Us	110 20 55 85
AC operating voltage	pick-up min max drop-out min max of 50/60Hz coil powered at 60Hz pick-up min max	%Us %Us %Us	110 20 55 85
	pick-up min max  drop-out min max  of 50/60Hz coil powered at 60Hz pick-up min max  drop-out min max	%Us %Us %Us %Us	110 20 55 85 110
	pick-up  min max  drop-out  min max  of 50/60Hz coil powered at 60Hz pick-up  min max  drop-out  min max  drop-out  min max	%Us %Us %Us %Us %Us	110 20 55 85 110 20
AC operating voltage  AC average coil consu	pick-up  min max  drop-out  min max  of 50/60Hz coil powered at 60Hz pick-up  min max  drop-out  min max  drop-out  min max  drop-out  min max  max  mption at 20°C of 50/60Hz coil powered at 50Hz	%Us %Us %Us %Us %Us %Us	110 20 55 85 110 20 55
	pick-up  min max  drop-out  min max  of 50/60Hz coil powered at 60Hz pick-up  min max  drop-out  min max  drop-out  min max	%Us %Us %Us %Us %Us	110 20 55 85 110 20



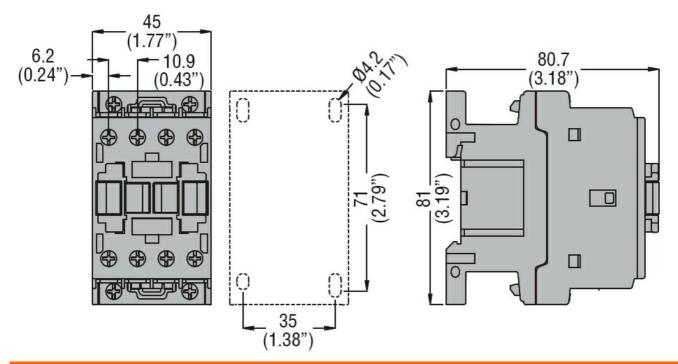


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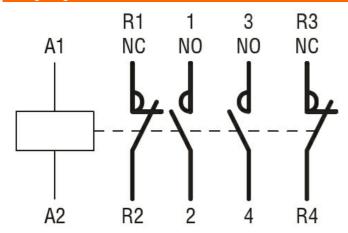
	of 50/60Hz coil powered at 60Hz			
		in-rush	VA	70
		holding	VA	6.5
	of 60Hz coil powered at 60Hz	9		
	01 001 12 0011 porrei da at 001 12	in-rush	VA	75
		holding	VA	9
Dissipation at holding	\$20°C 50Hz	110101119	W	2.5
Max cycles frequency	-20 0 00			
Mechanical operation			cycles/h	3600
Operating times			o y o i o o i i i	
Average time for Us co	ontrol			
	in AC			
	Closing NO			
	G.33g . 13	min	ms	8
		max	ms	24
	Opening NO			
	Spermig 113	min	ms	10
		max	ms	20
	Closing NC	HICK	1110	_0
	Closing 140	min	ms	14
		max	ms	28
	Opening NC	max	1113	20
	Opening NC	min	ms	7
				18
UL technical data		max	ms	10
	for three phase AC motor			
rull-load current (FLA)	for three-phase AC motor	-+ 400V/	۸	4.4
		at 480V	A	14
V'.	· · · · · · · · · · · · · · · · · · ·	at 600V	Α	17
Yielded mechanical pe				
	for single-phase AC motor			
		110/120V	HP	1
	-	230V	HP	3
	for three-phase AC motor			
		200/208V	HP	5
		220/230V	HP	5
		460/480V	HP	10
-		575/600V	HP	15
General USE				
	Contactor			
		AC current	Α	32
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
Dimensions				
Dimensions -				

**ENERGY AND AUTOMATION** 

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#### 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

**ETIM 8.0** 

EC000066 -Power contactor, AC switching