BF0901D024





Product designation Product type designation			Power contacto BF09
Contact characteristics			
Number of poles		nr.	3
Rated insulation voltage Ui		V	690
Rated impulse withstand voltage Uimp		kV	6
Operating frequency			
	Operational frequency min	Hz	25
	Operational frequency max	Hz	400
Conventional free air thermal current Ith		А	25
Operating current			
	Operational current AC1 (≤40°C)	А	25
Ope	rational current AC3 (≤440V ≤55°C)	А	9
	Operational current AC4 (400V)	Α	4.9
Rated operational power AC1 (T≤40°C)			
	230V	kW	9.5
	400V	kW	16
	500V	kW	21
	690V	kW	27
Rated operational power AC3 (T≤55°C)			
	230V	kW	2.2
	400V	kW	4.2
	415V	kW	4.5
	440V	kW	4.8
	500V	kW	5.5
	690V	kW	7.5
Short-time allowable current for 10s (IEC/EN60947-1)		A	150
Protection fuse			0.5
	gG (IEC)	A	25
	aM (IEC)	A	10
Making capacity (RMS value)		А	90
Breaking capacity at voltage			70
	Breaking capacity 440V	A	72
	Breaking capacity 500V	A	72
Papiatanaa nar pala (ayaraga yalya)	Breaking capacity 690V	A 	71
Resistance per pole (average value) Power dissipation per pole (average value)		mΩ	2.5
	dissipation pole (average value) Ith	14/	16
Davia		W	1.6
Power	,	۱۸/	0.2
	AC3	W	0.2
	AC3		
	AC3 min	Nm	1.5
Power	AC3		

## Tightening torque for coil terminal



BF0901D024 electric THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 9A, DC COIL, 24VDC, 1NC

AUXILIARY CONTACT

		min	Nm	0.8
		max	Nm Ibft	1
		min	Ibri	0.8 0.74
max number of wir	es simultaneously connectable	max	nr.	2
Conductor section	•			Z
	AWG			
	AWG	min		16
		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			
		min	mm²	1
		max	mm²	4
	otection according to IEC/EN 60529			IP20 when wire
Auxiliary contact ch	naracteristics			
Type of contact				1 NC
Thermal current Ith			А	10
EC/EN 60947-5-1				A600 - P600
Operational curren			A	25
Operating current /	AC15			
		230V	А	3
		400V	A	1.9
_		500V	A	1.4
Operating current I	DC12			
<b>•</b> • • • • •	2010	110V	A	5.7
Operating current I	DC13	<b>0</b> (1) (		
		24V	A	5.7
		48V	A	2.9
		60V	A	2.3
		110V	А	Screw / DIN rai 35mm
		125V	А	0.6
		220V	A	0.2
		600V	A	1.2
Ambient conditions		0001	7	1.2
Temperature				
	Operating temperature			
		min	°C	-50
		max	°Č	70
	Storage temperature			
		min	°C	-60
		max	°C	80
Max altitude			m	3000
Operating position				
		normal		Vertical plan
		allowable		±30°
Mounting				Screw / DIN rai
				35mm
Weight			g	0.49

## BF0901D024



electric THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 9A, DC COIL, 24VDC, 1

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NT IE (AC3) =	C3) = 9A, DC COIL, 24VDC, 1NC AUXILIARY CONTACT		
	Cycles	2000000	

Operations				
Mechanical life			Cycles	20000000
Electrical life			Cycles	2000000
Safety related data				
Performance level B10	d according to EN/ISO 13489-1			
		rated load	Cicli	2000000
		mechanical load	Cicli	20000000
	ng to IEC/EN 609474-4-1			yes
EMC compatibility				yes
DC coil operating				
DC rated control voltag	je			
		min	V	6
		max	V	415
DC operating voltage				
	pick-up			
		min	%Us	0.7
		max	%Us	1.25
	drop-out		0/11	<u>.</u>
		min	%Us	0.1
A		max	%Us	0.40
Average coil consuption	on ≤20°C			<b>F</b> 4
		in-rush	W	5.4
		holding	W	5.4
Max cycles frequency			Cycles/b	2600
Mechanical operations			Cycles/h	3600
Operating times Average time for Us co	patrol			
Average time for US CC	in DC			
	Closing NO			
		min	ms	54
		max	ms	66
	Opening NO	Пах	mo	00
	e per mig i re	min	ms	14
		max	ms	17
	Closing NC			
	Ŭ	min	ms	24
		max	ms	30
	Opening NC			
		min	ms	47
		max	ms	57
UL technical data				
Full-load current (FLA)	for three-phase AC motor			
		at 480V	А	7.6
		at 600V	А	0.375
Yielded mechanical pe				
	for single-phase AC motor			
		at 110/120V	hp	0.75
		at 230V	hp	2
	for three-phase AC motor			
		at 200/208V	hp	3
		at 220/230V	hp	3
		at 460/480V	hp	5
	ary contacts according to UL	at 575/600V	hp	7.5
-				A600 - P600

4 The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding

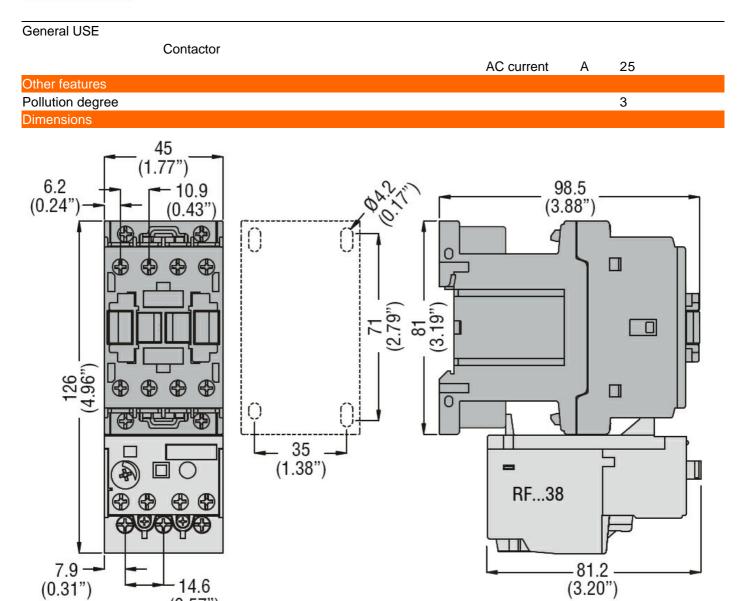


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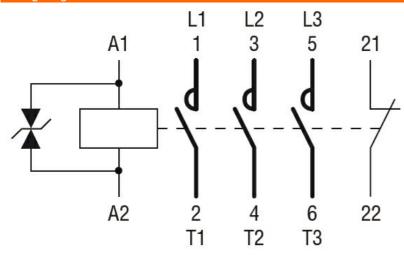
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AUXILIARY CONTACT

BF0901D024



Wiring diagrams



(0.57")

## Certifications and compliance Certifications

CSA C22.2 n° 60947-1

BF0901D024



ENERGY AND AUTOMATION

BF0901D024

CSA C22.2 n° 60947-4-1 IEC/EN 60947-1 IEC/EN 60947-4-1 UL 60947-1 UL 60947-4-1 Compliance CCC cULus EAC

ETIM 6 classification

EC000066 - Power contactor, AC switching

BF0901D024