



Product designation			Power contactor
Product type designation			BF18
Contact characteristics		NL	
Number of poles		Nr.	4
Rated insulation voltage Ui IEC/EN		V	690
Rated impulse withstand voltage Uimp		kV	6
Operational frequency			05
	min	Hz	25
IEC Conventional free air thermal current Ith	max	Hz	400
		A	32
Operational current le		۸	20
	AC-1 (≤40°C)	A	32
	AC-1 (≤55°C)	A	26
	AC-1 (≤70°C)	A	23
	AC-3 (≤440V ≤55°C)	A	18
	AC-4 (400V)	A	8.5
Rated operational power AC-1 (T≤40°C)	0001/		10
	230V	kW	12
	400V	kW	21
	500V	kW	26
Object times allowed to surger that 40s (IEO/EN(00047.4)	690V	kW	36
Short-time allowable current for 10s (IEC/EN60947-1)		A	200
Protection fuse		۸	20
	gG (IEC)	A	32
Making conseits (DMC scalue)	aM (IEC)	<u>A</u>	20
Making capacity (RMS value)		A	180
Breaking capacity at voltage	4.4017	•	
	440V	A	144
	500V	A	120
	690V	A	94
Resistance per pole (average value)		mΩ	2.5
Power dissipation per pole (average value)	141-	14/	0.0
	lth	W	2.6
Ticktoning to you for to you in all	AC-3	W	0.8
Tightening torque for terminals		N	4 5
	min	Nm	1.5
	max	Nm	1.8
	min	lbin Ibin	1.1
Tightoning torque for coil terminal	max	lbin	1.5
Tightening torque for coil terminal	!	Nime	0.9
	min	Nm	0.8
	max	Nm	1
	min	lbin Ibin	0.8
May number of wires simultaneously some stable	max	lbin Nr	0.74
Max number of wires simultaneously connectable		Nr.	2



24VAC, 4NC

Conductor section

AWG/Kcmil	max		10
Flexible w/o lug conductor section	Пах		10
	min	mm²	1
	max	mm²	6
Flexible c/w lug conductor section		2	
			1
Elevible with insulated spade lug conductor set		11111-	4
T lexible with insulated space by conductor set		mm²	1
	max		4
ction according to IEC/EN 60529			IP20 when properly wired
	normal		Vertical plan
	allowable		±30°
			Screw / DIN rail 35mm
		g	362
AWG/kcmil conductor section			4.0
rootoriotico	max		10
		Δ	32
esignation		~	A600 - P600
Joighadon			
		cycles	20000000
		cycles	1600000
10d according to EN/ISO 13489-1			
		cycles	1600000
		cvcles	20000000
	mechanical load	0,0100	2000000
ling to IEC/EN 609474-4-1	mechanical load	oyoleo	YES
ling to IEC/EN 609474-4-1	mechanical load	- Cyoles	
	mechanical load		YES
	mechanical load		YES
of 50/60Hz coil powered at 50Hz	mechanical load		YES
	mechanical load	%Us	YES
of 50/60Hz coil powered at 50Hz			YES yes
of 50/60Hz coil powered at 50Hz	min	%Us %Us	YES yes 80 110
of 50/60Hz coil powered at 50Hz pick-up	min	%Us %Us %Us	YES yes 80 110 20
of 50/60Hz coil powered at 50Hz pick-up drop-out	min max	%Us %Us	YES yes 80 110
of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz	min max min	%Us %Us %Us	YES yes 80 110 20
of 50/60Hz coil powered at 50Hz pick-up drop-out	min max min max	%Us %Us %Us %Us	YES yes 80 110 20 55
of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz	min max min max min	%Us %Us %Us %Us	YES yes 80 110 20 55 85
of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz pick-up	min max min max	%Us %Us %Us %Us	YES yes 80 110 20 55
of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz	min max min max min	%Us %Us %Us %Us	YES yes 80 110 20 55 85
	Flexible c/w lug conductor section	Flexible w/o lug conductor section min Flexible c/w lug conductor section min Flexible with insulated spade lug conductor section min Flexible with insulated spade lug conductor section min ction according to IEC/EN 60529 mormal allowable max AWG/kcmil conductor section max acteristics max	Flexible w/o lug conductor section min mm² Flexible c/w lug conductor section min mm² Flexible with insulated spade lug conductor section min mm² Flexible with insulated spade lug conductor section min mm² ction according to IEC/EN 60529 mm² g AWG/kcmil conductor section max g acteristics A signation esignation cycles cycles I/Od according to EN/ISO 13489-1 rated load cycles

of 50/60Hz coil powered at 50Hz

BF18T0A024

OVA electric ENERGY AND AUTOMATION

FOUR-POLE CONTACTO

OR, IEC OPERATING CURRENT	ITH (AC1)) = 32A,	AC C	OIL 50/60HZ, 24VAC, 4NC	
	in-rush	١/Δ	75		

BF18T0A024

		in ruch	1/0	75
		in-rush	VA	75
		holding	VA	9
	of 50/60Hz coil powered at 60Hz			
		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	ÿ_	W	2.5
Max cycles frequency				210
Mechanical operation			cycles/h	3600
			Cycles/II	3000
Operating times	e a faa l			
Average time for Us c				
	in AC			
	Closing NO			
		min	ms	8
		max	ms	24
	Opening NO			
		min	ms	10
		max	ms	20
	Closing NC	max		_ •
		min	ms	14
				28
		max	ms	20
	Opening NC			_
		min	ms	7
		max	ms	18
UL technical data				
Full-load current (FLA) for three-phase AC motor			
		at 480V	А	14
		at 600V	А	17
Yielded mechanical pe	erformance			
	for single-phase AC motor			
		110/120V	HP	1
		230V	HP	3
	for three phase AC motor	230 V	(IF	5
	for three-phase AC motor	000/0001		F
		200/208V	HP	5
		220/230V	HP	5
		460/480V	HP	10
		575/600V	HP	15
General USE				
	Contactor			
		AC current	А	32
	Auxiliary contacts			
		AC voltage	V	600
		AC voltage	Å	10
		DC voltage	V	250
		DC current	A	1
	iary contacts according to UL			SI - A600
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-50
		max	°C	70
	Storage temperature	max	~	. •
	olorage lemperature			

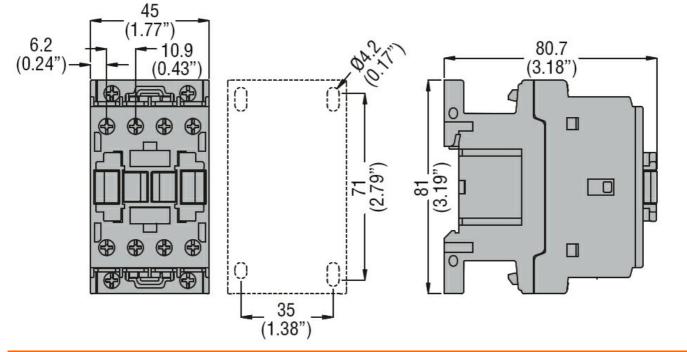
BF18T0A024

BF18T0A024

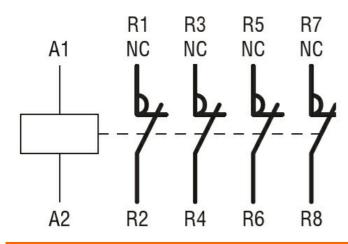


FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 32A, AC COIL 50/60HZ, 24VAC, 4NC

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



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



BF18T0A024 FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 32A, AC COIL 50/60HZ, 24VAC, 4NC

ETIM classification

ETIM 8.0

EC000066 -Power contactor, AC switching