



Draduct designation			Dever contector
Product designation Product type designation			Power contactor BF26
Contact characteristics			DF20
Number of poles		Nr.	4
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		A	45
Operational current le			
	AC-1 (≤40°C)	А	45
	AC-1 (≤55°C)	А	36
	AC-1 (≤70°C)	А	32
	AC-3 (≤440V ≤55°C)	А	26
	AC-4 (400V)	А	11.5
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	А	25
	48V	А	21
	75V	А	18
	110V	А	6
	220V	А	_
IEC max current le in DC1 with $L/R \le 1$ ms with 2 poles in series			
	≤24V	А	28
	48V	А	28
	75V	А	25
	110V	A	22
	220V	A	2
IEC max current le in DC1 with $L/R \le 1$ ms with 3 poles in series			
	≤24V	A	28
	48V	A	28
	75V	A	25
	110V	А	24
	220V	A	20
IEC max current le in DC1 with $L/R \le 1$ ms with 4 poles in series			
	≤24V	A	28
	48V	A	28
	75V	A	25
	110V	A	24
	220V	А	26



IEC max current le in DC3-DC5 with L/R \leq 15ms with 1 poles in series			
	≤24V	A	18
	48V	Α	15
	75V	Α	13
	110V	А	2
	220V	А	_
IEC max current le in DC3-DC5 with L/R \leq 15ms with 2 poles in series			
	≤24V	А	20
	48V	A	20
	75V	A	18
	110V	A	13
	220V	A	3
IEC may assume the in DC2 DCE with $1/D < 4E$ may with 2 males in series	2200	A	3
EC max current le in DC3-DC5 with $L/R \le 15$ ms with 3 poles in series	10 M I		0.5
	≤24V	A	25
	48V	A	25
	75V	A	20
	110V	А	18
	220V	Α	19
IEC max current le in DC3-DC5 with $L/R \le 15$ ms with 4 poles in series			
	≤24V	А	30
	48V	А	30
	75V	А	25
	110V	A	20
	220V	A	15
Short-time allowable current for 10s (IEC/EN60947-1)	2201	A	210
Protection fuse		Λ	210
FIOLECIIOTITUSE		^	50
	gG (IEC)	A	50
	aM (IEC)	<u>A</u>	32
Making capacity (RMS value)		Α	260
Breaking capacity at voltage		_	
	440V	A	208
	500V	A	184
	690V	Α	168
Resistance per pole (average value)		mΩ	2
Power dissipation per pole (average value)			
	lth	W	4
	AC-3	W	1.4
Tightening torque for terminals			
	min	Nm	2.5
	max	Nm	3
	min	Ibin	1.8
		Ibin	2.2
Tightoning torque for soil terminal	max	ווועו	۲.۲
Tightening torque for coil terminal			0.0
	min	Nm	0.8
	max	Nm	1
	min	lbin	0.8
	max	lbin	0.74
Max number of wires simultaneously connectable		Nr.	2
Conductor section			
AWG/Kcmil			
	max		6
Flexible w/o lug conductor section			-
	min	mm²	2.5
			2.0

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BF26T4L024 FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 45A, DC COIL LOW CONSUMPTION, 24VDC

mm² 16 max Flexible c/w lug conductor section min mm² 1 10 max mm² Flexible with insulated spade lug conductor section min mm² 1 10 max mm² IP20 when Power terminal protection according to IEC/EN 60529 properly wired Mechanical features Operating position normal Vertical plan ±30° allowable Screw / DIN rail Fixing 35mm Weight 666 g Conductor section AWG/kcmil conductor section 6 max Operations Mechanical life 20000000 cycles Electrical life 1600000 cycles Safety related data Performance level B10d according to EN/ISO 13489-1 1600000 rated load cycles 2000000 mechanical load cycles Mirror contats according to IEC/EN 609474-4-1 yes EMC compatibility yes DC coil operating DC rated control voltage V 24 DC operating voltage pick-up min %Us 80 %Us 110 max drop-out %Us 10 min max %Us 40 Average coil consumption ≤20°C in-rush W 2.4 W holding 2.4 Max cycles frequency Mechanical operation cycles/h 3600 Operating times Average time for Us control in AC Closing NO 8 min ms max ms 24 **Opening NO** min ms 5 15 max ms **Closing NC** 9 min ms max ms 20

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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



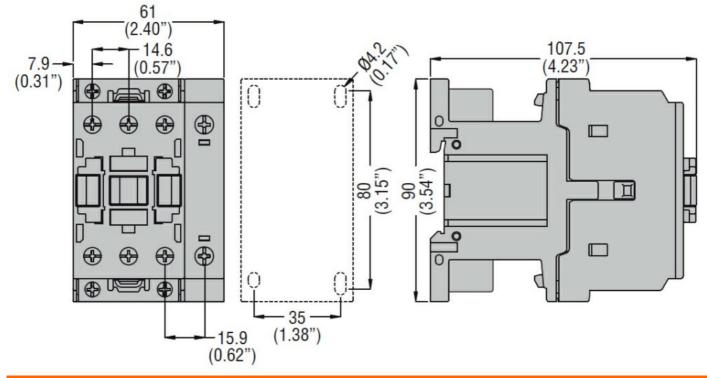
BF26T4L024 FOUR-POLE C

CONTACTOR, IEC OPERATING CURF	ENT ITH (AC1) = 45A, I	DC COIL LOW
	CONSUMF	PTION, 24VDC
Opening NC		
	min ms 9	

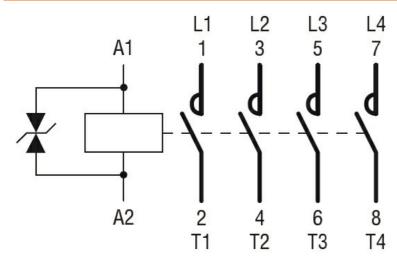
	-15			•
		min	ms	9
		max	ms	17
	in DC			
	Closing NO			
				70
		min	ms	76
		max	ms	92
	Opening NO			
		min	ms	16
		max	ms	20
UL technical data		Пах	mo	20
Full-load current (F	LA) for three-phase AC motor			
		at 480V	А	21
		at 600V	А	22
Yielded mechanica	l performance			
	for single-phase AC motor	440/4001		0
		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			
		AC current	А	45
Short-circuit protec	tion fund. 600V			
Short-circuit protec				
	High fault			
		Short circuit current	kA	100
		Fuse rating	А	100
		Fuse class		J
	Standard fault			-
		Chart aire it a meant	L. A	E
		Short circuit current	kA	5
		Fuse rating	А	100
Ambient conditions				
Temperature				
-	Operating temperature			
		min	°C	-50
		max	°C	70
	Storage temperature			
		min	°C	-60
		max	°C	80
Max altitude			m	3000
Resistance & Prote				
				<u>^</u>
Pollution degree				3
Dimensions				

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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	

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BF26T4L024 FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 45A, DC COIL LOW CONSUMPTION, 24VDC

ETIM 8.0

EC000066 -Power contactor, AC switching