



Product designation			Power contactor
Product type designation			BF18
Contact characteristics			
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	32
Operational current le			
	AC-1 (≤40°C)	А	32
	AC-1 (≤55°C)	А	26
	AC-1 (≤70°C)	А	23
	AC-3 (≤440V ≤55°C)	А	18
	AC-4 (400V)	Α	8.5
Rated operational power AC-1 (T≤40°C)			
	230V	kW	12
	400V	kW	21
	500V	kW	26
	690V	kW	36
IEC max current le in DC1 with $L/R \le 1$ ms with 1 poles in series			
	≤24V	А	17
	48V	А	15
	75V	А	15
	110V	А	6
	220V	A	_
IEC max current le in DC1 with $L/R \le 1$ ms with 2 poles in series			
	≤24V	А	20
	48V	А	20
	75V	А	20
	110V	А	13
	220V	Α	1
IEC max current le in DC1 with $L/R \le 1$ ms with 3 poles in series			
	≤24V	А	22
	48V	А	22
	75V	А	20
	110V	А	16
	220V	А	11
IEC max current le in DC1 with $L/R \le 1$ ms with 4 poles in series			
	≤24V	А	22
	48V	А	22
	75V	А	20
	110V	А	18
	220V	А	13



FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 32A, DC COIL, 125VDC

IEC max current le in l	DC3-DC5 with L/R \leq 15ms with 1 poles in series			
		≤24V	А	12
		48V	А	11
		75V	А	11
		110V	А	2
		220V	A	_
IFC max current le in l	DC3-DC5 with L/R \leq 15ms with 2 poles in series	2201	7.	
		<2417	۸	1 5
		≤24V	A	15
		48V	A	13
		75V	А	13
		110V	А	8
		220V	Α	2
IEC max current le in l	DC3-DC5 with L/R \leq 15ms with 3 poles in series			
		≤24V	А	18
		48V	A	18
		75V	A	16
		110V	A	12
		220V	A	6
IEC max current le in l	DC3-DC5 with L/R \leq 15ms with 4 poles in series			
		≤24V	А	18
		48V	А	18
		75V	А	16
		110V	А	13
		220V	A	8
Short-time allowable c	current for 10s (IEC/EN60947-1)	2201	A	200
Protection fuse			~	200
FIDIECIIDITIUSE			^	20
		gG (IEC)	A	32
		aM (IEC)	A	20
Making capacity (RMS			Α	180
Breaking capacity at ve	oltage			
		440V	А	144
		500V	А	120
		690V	А	94
Resistance per pole (a	average value)		mΩ	2.5
Power dissipation per				2.0
	polo (avolago valuo)	lth	W	2.6
The formation of the second		AC-3	W	0.8
Tightening torque for the	erminals			
		min	Nm	1.5
		max	Nm	1.8
		min	lbin	1.1
		max	lbin	1.5
Tightening torque for c	coil terminal			
J		min	Nm	0.8
		max	Nm	1
		min	Ibin	0.8
		max	Ibin	0.74
	simultaneously connectable		Nr.	2
Conductor section				
	AWG/Kcmil			
		max		10
	Flexible w/o lug conductor section			
		min	mm²	1

BF18T4D125



FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 32A, DC COIL, 125VDC

BF18T4D125

				_	_
			max	mm²	6
	Flexible c/w lug conduct	tor section			
			min	mm²	1
			max	mm²	4
	Flexible with insulated s	pade lug conductor s	ection		
			min	mm²	1
			max	mm²	4
Power terminal protec	tion according to IEC/EN	60529			IP20 when
		00020			properly wired
Mechanical features					
Operating position					
			normal		Vertical plan
			allowable		±30°
Fixing					Screw / DIN rail
					35mm
Weight				g	496
Conductor section					
	AWG/kcmil conductor s	ection			
			max		10
Operations					
Mechanical life				cycles	20000000
Electrical life				cycles	1600000
Safety related data				.,	
	0d according to EN/ISO 1	3489-1			
			rated load	cycles	1600000
			mechanical load	cycles	20000000
Mirror contate accordi	ng to IEC/EN 609474-4-1		meenamouriouriouu	0y0lc3	yes
EMC compatibility					
DC coil operating					yes
DC rated control voltage	20			V	125
	ye			V	120
DC operating voltage					
	pick-up			0/11-	70
			min	%Us	70
	· · · · ·		max	%Us	125
	drop-out				
			min	%Us	10
			max	%Us	40
Average coil consump	tion ≤20°C				
			in-rush	W	5.4
			holding	W	5.4
Max cycles frequency					
Mechanical operation				cycles/h	3600
Operating times					
Average time for Us co	ontrol				
	in AC				
		Closing NO			
			min	ms	8
			max	ms	24
		Opening NO			
		-	min	ms	10
			max	ms	20
		Closing NC			
		-	min	ms	14
			max	ms	28
				- '	

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



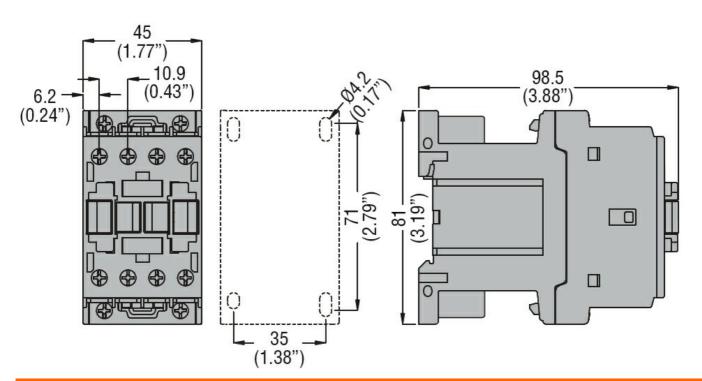
FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH

ENERGY AND AUTOMATION

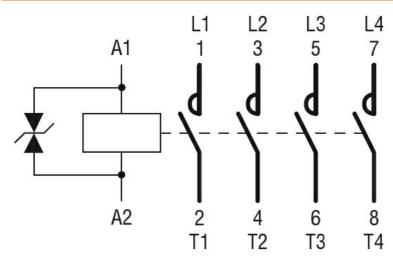
BF18T4D125	
(AC1) = 32A, DC COIL, 125VDC	

		Opening NC			
		Opening NC	min	ms	7
			max	ms	18
	in DC		IIIdA	1113	10
	III DC	Closing NO			
			min	ms	54
			max	ms	66
		Opening NO	IIIdA	1115	00
		Opening NO	min	ms	14
			max	ms	17
UL technical data			TIDA	1115	17
) for three-phase AC mc	tor			
	101 three-phase AC mc	101	at 480V	А	14
			at 600V	A	17
Yielded mechanical pe					
	for single-phase AC n	notor			
			110/120V	HP	1
			230V	HP	3
	for three-phase AC m	otor			
			200/208V	HP	5
			220/230V	HP	5
			460/480V	HP	10
			575/600V	HP	15
General USE					
	Contactor				
			AC current	А	32
Short-circuit protection	n fuse, 600V				
	High fault				
			Short circuit current	kA	100
			Fuse rating	А	60
			Fuse class		J
	Standard fault				
			Short circuit current	kA	5
			Fuse rating	А	80
Ambient conditions					
Temperature					
	Operating temperatur	е			
			min	°C	-50
			max	°Č	70
	Storage temperature			-	-
			min	°C	-60
			max	°Č	80
Max altitude			max	 	3000
Resistance & Protecti	on				
Pollution degree					3
Dimensions					5
Elimensions					





Wiring diagrams



Certifications and compliance

e en aneu an a cen		
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