



Product designation Product type designation			Power contactor BF40
Contact characteristics			
Number of poles		Nr.	4
Rated insulation voltage Ui IEC/EN		V	1000
Rated impulse withstand voltage Uimp		kV	8
Operational frequency			
	min	Hz	25
	max	Hz	400
IEC Conventional free air thermal current Ith		А	70
Operational current le			
	AC-1 (≤40°C)	А	70
	AC-1 (≤55°C)	А	60
	AC-1 (≤70°C)	А	50
	AC-3 (≤440V ≤55°C)	А	40
	AC-4 (400V)	A	24
Rated operational current AC-3 (T≤55°C)			
	230V	A	40
	400V	A	40
	415V	A	40
	440V	A	40
	500V	A	33
	690V	A	32
Dated anarational neuror AC 1 (T<10°C)	1000V	A	21
Rated operational power AC-1 (T≤40°C)	2201/	L/\//	26
	230V 400V	kW kW	26
	400V 500V	kw	46 58
	690V	kW	79
IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series	030 V	K V V	15
	≤24V	А	40
	48V	A	35
	75V	A	30
	110V	A	8
	220V	A	_
IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series			
	≤24V	А	48
	48V	А	48
	75V	А	45
	110V	А	42
	220V	А	5
IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series			
	≤24V	А	48
	48V	А	48
	75V	А	48



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	110V	А	44	
	220V	А	56	
IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series				
	≤24V	А	_	
	48V	А	_	
	75V	А	_	
	110V	А	_	
	220V	А	70	
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 1 poles in series				
	≤24V	А	27	
	48V	А	23	
	75V	А	19	
	110V	А	3	
	220V	А	_	
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 2 poles in series				
· ·	≤24V	А	32	
	48V	A	30	
	75V	A	27	
	110V	A	22	
	220V	A	5	
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series	2201		0	
	≤24V	А	40	
	48V	A	40	
	48V 75V	A	38	
	110V	A	27	
	220V	A	32	
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 4 poles in series	2201		02	
	≤24V	А		
	48V	A		
	48V 75V	A	_	
	110V	A	_	
	220V	A	40	
Short-time allowable current for 10s (IEC/EN60947-1)	220 V	A	400	
Protection fuse		~	400	
FIGECIOITIUSE	gG (IEC)	А	100	
	aM (IEC)		50	
Making consoity (PMS value)		A A	400	
Making capacity (RMS value)		A	400	
Breaking capacity at voltage	14014	٨	220	
	440V	A	320 265	
	500V	A	265 256	
	690V	A	256	
Resistance per pole (average value)		mΩ	0.8	
Power dissipation per pole (average value)		, . <i>.</i>		
	Ith	W	3.9	
	AC-3	W	1.3	
Tightening torque for terminals	-			
	min	Nm	4	
	max	Nm	5	
	min	Ibin	2.95	
	max	Ibin	3.69	
Tightening torque for coil terminal				
	min	Nm	0.8	
		N.J	4	

Nm

max

1



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		min	Ibin	0.8
		max	Ibin	0.74
	simultaneously connectable		Nr.	2
Conductor section				
	AWG/Kcmil			0
	Flexible w/o lug conductor section	max		2
	Flexible w/o lug conductor section	min	mm²	1.5
		max	mm²	35
	Flexible c/w lug conductor section	тах		00
		min	mm²	1.5
		max	mm²	35
Power terminal prote	ction according to IEC/EN 60529			IP20 front
Mechanical features				
Operating position				
		normal		Vertical plan
		allowable		±30°
Fixing				Screw / DIN ra
				35mm
Weight			g	1240
Conductor section				
	AWG/kcmil conductor section			_
		max		2
Operations				
Mechanical life			cycles	15000000
Electrical life			cycles	1500000
Safety related data				
Performance level B	10d according to EN/ISO 13489-1			4500000
		rated load	cycles	1500000
Mirror contato accord	ling to IEC/EN 609474-4-1	mechanical load	cycles	15000000
	Ing to IEC/EN 609474-4-1			yes
EMC compatibility				yes
Rated AC voltage at 6	20H-7		V	460
AC operating voltage			v	400
no operating voltage	of 60Hz coil powered at 60Hz			
	01 001 12 0011 powered at 001 12			
	nick-un			
	pick-up	min	%Us	80
	pick-up	min max	%Us %Us	80 110
		min max	%Us %Us	80 110
	pick-up drop-out			
		max	%Us	110
AC average coil cons	drop-out	max	%Us %Us	110 20
AC average coil cons	drop-out	max	%Us %Us	110 20
AC average coil cons	drop-out	max	%Us %Us	110 20
AC average coil cons	drop-out	max min max	%Us %Us %Us	110 20 55
AC average coil cons	drop-out sumption at 20°C of 60Hz coil powered at 60Hz	max min max in-rush	%Us %Us %Us VA	110 20 55 210
	drop-out sumption at 20°C of 60Hz coil powered at 60Hz I ≤20°C 50Hz	max min max in-rush	%Us %Us %Us VA VA	110 20 55 210 15
Dissipation at holding	drop-out sumption at 20°C of 60Hz coil powered at 60Hz g ≤20°C 50Hz	max min max in-rush	%Us %Us %Us VA VA	110 20 55 210 15 5
Dissipation at holding Max cycles frequency	drop-out sumption at 20°C of 60Hz coil powered at 60Hz g ≤20°C 50Hz	max min max in-rush	%Us %Us %Us VA VA W	110 20 55 210 15 5
Dissipation at holding Max cycles frequency Mechanical operation Operating times	drop-out sumption at 20°C of 60Hz coil powered at 60Hz g ≤20°C 50Hz	max min max in-rush	%Us %Us %Us VA VA W	110 20 55 210 15 5
Dissipation at holding Max cycles frequency Mechanical operation	drop-out sumption at 20°C of 60Hz coil powered at 60Hz g ≤20°C 50Hz	max min max in-rush	%Us %Us %Us VA VA W	110 20 55 210 15 5

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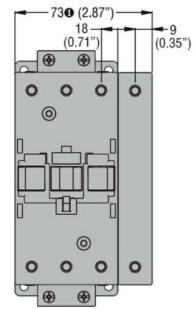


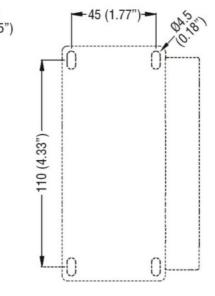
FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 70A, AC COIL 60HZ,

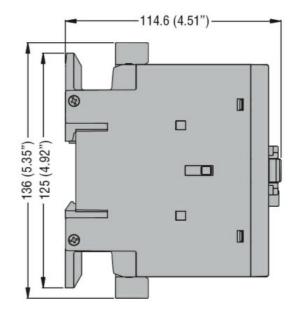
LIVERGITAND ACTOMATION				
				40
		min	ms	12
		max	ms	28
	Opening NO			_
		min	ms	8
		max	ms	22
	in DC			
	Closing NO			
		min	ms	40
		max	ms	85
	Opening NO			
		min	ms	20
		max	ms	55
UL technical data				
	A) for three-phase AC motor			
	, ı	at 480V	А	40
		at 600V	A	32
Yielded mechanical	performance			
noidea meenamear	for single-phase AC motor			
	ior single-phase AC motor	110/120V	HP	3
		230V		
	for three above AQ meter	2300	HP	7.5
	for three-phase AC motor			10
		200/208V	HP	10
		220/230V	HP	15
		460/480V	HP	30
		575/600V	HP	30
General USE				
	Contactor			
		AC current	A	70
Short-circuit protection	on fuse, 600V			
	High fault			
		Short circuit current	kA	100
		Fuse rating	А	150
		Fuse class		J
	Standard fault			
		Short circuit current	kA	5
		Fuse rating	A	150
		Fuse class		RK5
Ambient conditions				
Temperature				
. emperatore	Operating temperature			
	oporating temperature	min	°C	-50
		max	°C	70
	Storago tomporatura	max	U	10
	Storage temperature		° ^	60
		min	°C °C	-60
Marcaltitus Is		max	°C	80
Max altitude			m	3000
Resistance & Protec	tion			
Pollution degree				3
Dimensions				



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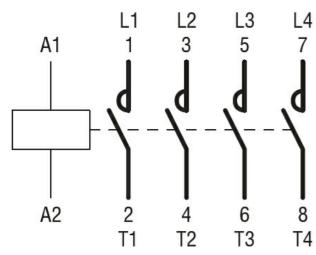






BF80T2 82mm/3.23"

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	
ETIM classification		
ETIM 8.0		EC000066 - Power contactor, AC switching