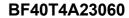


FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 70A, AC COIL 60HZ, 230VAC



			10 10 10
Product designation			Power contactor
Product type designation			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		Α	70
Operational current le			
	AC-1 (≤40°C)	Α	70
	AC-1 (≤55°C)	Α	60
	AC-1 (≤70°C)	Α	50
	AC-3 (≤440V ≤55°C)	Α	40
	AC-4 (400V)	Α	24
Rated operational current AC-3 (T≤55°C)			
	230V	Α	40
	400V	Α	40
	415V	Α	40
	440V	Α	40
	500V	Α	33
	690V	Α	32
	1000V	Α	21
Rated operational power AC-1 (T≤40°C)			
	230V	kW	26
	400V	kW	46
	500V	kW	58
	690V	kW	79
IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series			
	≤24V	Α	40
	48V	Α	35
	75V	Α	30
	110V	Α	8
	220V	Α	_
IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series			
·	≤24V	Α	48
	48V	Α	48
	75V	Α	45
	110V	Α	42
	220V	Α	5
IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series			
2 1 2 1 3 points in 551100	≤24V	Α	48
	48V	Α	48
	75V	Α	48





FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 70A, AC COIL 60HZ, 230VAC

	110V	Α	44	
	220V	Α	56	
IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series				
	≤24V	Α	_	
	48V	Α	_	
	75V	Α	_	
	110V	Α	_	
	220V	Α	70	
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 1 poles in series				
	≤24V	Α	27	
	48V	Α	23	
	75V	Α	19	
	110V	Α	3	
	220V	Α	_	
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 2 poles in series				
·	≤24V	Α	32	
	48V	Α	30	
	75V	Α	27	
	110V	Α	22	
	220V	Α	5	
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series	220 1	- , ,		-
TEO THAN GUITOR TO IT DOO DOO WILL ETC = TOTAL WILL O POICE IT SELLES	≤24V	Α	40	
	48V	A	40	
	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	220 V		32	
120 max current le in 200-200 with 2/10 13 with 4 poles in series	≤24V	Α		
	324 V 48 V	A	_	
	75V	A		
	110V	A	_	
	220V	A	- 40	
Short-time allowable current for 10s (IEC/EN60947-1)	220 V		400	
		Α	400	
Protection fuse	~C (IEC)	۸	100	
	gG (IEC)	A	100	
Making and ait (DMO calca)	aM (IEC)	A	50	
Making capacity (RMS value)		Α	400	
Breaking capacity at voltage	4.401.7	Δ.	202	
	440V	A	320	
	500V	A	265	
	690V	Α	256	
Resistance per pole (average value)		mΩ	0.8	
Power dissipation per pole (average value)				
	Ith	W	3.9	
	AC-3	W	1.3	
Tightening torque for terminals				
	min	Nm	4	
	max	Nm	5	
	min	lbin	2.95	
	max	Ibin	3.69	
Tightening torque for coil terminal				
	min	Nm	8.0	
	max	Nm	1	





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

			min	lbin	0.8
			max	lbin	0.74
	simultaneously connectable	e		Nr.	2
Conductor section					
	AWG/Kcmil				
	-		max		2
	Flexible w/o lug conduct	tor section			
			min	mm²	1.5
			max	mm²	35
	Flexible c/w lug conduct	tor section			
			min	mm²	1.5
			max	mm²	35
Power terminal protect	tion according to IEC/EN	60529			IP20 front
Mechanical features					
Operating position					
			normal		Vertical plan
			allowable		±30°
Eiving					Screw / DIN rail
Fixing					35mm
Weight				g	1240
Operations					
Mechanical life				cycles	15000000
Electrical life				cycles	1500000
Safety related data				, , , , , ,	
	0d according to EN/ISO 1	3489-1			
	ou according to		rated load	cycles	1500000
			mechanical load	cycles	15000000
EMC compatibility			modiamodilodd	0,0100	yes
AC coil operating					you
Rated AC voltage at 60	0Hz			V	230
	0112				
AL: Operating voltage				V	230
AC operating voltage	of 60Hz coil powered at	60H-z		V	230
AC operating voltage	of 60Hz coil powered at			V	230
AC operating voltage	•	60Hz pick-up	min		
AC operating voltage	•		min	%Us	80
AC operating voltage	·	pick-up	min max		
AC operating voltage	·		max	%Us %Us	80 110
AC operating voltage	·	pick-up	max min	%Us %Us %Us	80 110 20
	·	pick-up	max	%Us %Us	80 110
AC operating voltage AC average coil consu	ımption at 20°C	pick-up drop-out	max min	%Us %Us %Us	80 110 20
	·	pick-up drop-out	max min max	%Us %Us %Us %Us	80 110 20 55
	ımption at 20°C	pick-up drop-out	max min max in-rush	%Us %Us %Us %Us	80 110 20 55
AC average coil consu	ımption at 20°C of 60Hz coil powered at	pick-up drop-out	max min max	%Us %Us %Us %Us VA	80 110 20 55 210 15
AC average coil consu	ımption at 20°C of 60Hz coil powered at	pick-up drop-out	max min max in-rush	%Us %Us %Us %Us	80 110 20 55
AC average coil consultable Dissipation at holding: Max cycles frequency	ımption at 20°C of 60Hz coil powered at	pick-up drop-out	max min max in-rush	%Us %Us %Us %Us VA VA	80 110 20 55 210 15
AC average coil consultable. Dissipation at holding: Max cycles frequency Mechanical operation	ımption at 20°C of 60Hz coil powered at	pick-up drop-out	max min max in-rush	%Us %Us %Us %Us VA	80 110 20 55 210 15
AC average coil consults Dissipation at holding: Max cycles frequency Mechanical operation Operating times	ımption at 20°C of 60Hz coil powered at ≤20°C 50Hz	pick-up drop-out	max min max in-rush	%Us %Us %Us %Us VA VA	80 110 20 55 210 15
AC average coil consultable. Dissipation at holding: Max cycles frequency Mechanical operation	umption at 20°C of 60Hz coil powered at ≤20°C 50Hz	pick-up drop-out	max min max in-rush	%Us %Us %Us %Us VA VA	80 110 20 55 210 15
AC average coil consults Dissipation at holding: Max cycles frequency Mechanical operation Operating times	umption at 20°C of 60Hz coil powered at ≤20°C 50Hz control in AC	pick-up drop-out 60Hz	max min max in-rush	%Us %Us %Us %Us VA VA	80 110 20 55 210 15
AC average coil consults Dissipation at holding: Max cycles frequency Mechanical operation Operating times	umption at 20°C of 60Hz coil powered at ≤20°C 50Hz control in AC	pick-up drop-out	max min max in-rush	%Us %Us %Us %Us VA VA	80 110 20 55 210 15 5
AC average coil consults Dissipation at holding: Max cycles frequency Mechanical operation Operating times	umption at 20°C of 60Hz coil powered at ≤20°C 50Hz control in AC	pick-up drop-out 60Hz	max min max in-rush	%Us %Us %Us %Us VA VA	80 110 20 55 210 15 5 3600
AC average coil consults Dissipation at holding: Max cycles frequency Mechanical operation Operating times	umption at 20°C of 60Hz coil powered at ≤20°C 50Hz ontrol in AC	pick-up drop-out 60Hz Closing NO	max min max in-rush holding	%Us %Us %Us %Us VA VA VA	80 110 20 55 210 15 5
AC average coil consults Dissipation at holding: Max cycles frequency Mechanical operation Operating times	umption at 20°C of 60Hz coil powered at ≤20°C 50Hz ontrol in AC	pick-up drop-out 60Hz	max min max in-rush holding min max	%Us %Us %Us %Us VA VA W cycles/h	80 110 20 55 210 15 5 3600
AC average coil consults Dissipation at holding: Max cycles frequency Mechanical operation Operating times	umption at 20°C of 60Hz coil powered at ≤20°C 50Hz ontrol in AC	pick-up drop-out 60Hz Closing NO	max min max in-rush holding	%Us %Us %Us %Us VA VA W cycles/h	80 110 20 55 210 15 5 3600
AC average coil consults Dissipation at holding: Max cycles frequency Mechanical operation Operating times	umption at 20°C of 60Hz coil powered at ≤20°C 50Hz ontrol in AC	pick-up drop-out 60Hz Closing NO	max min max in-rush holding min max	%Us %Us %Us %Us VA VA W cycles/h	80 110 20 55 210 15 5 3600



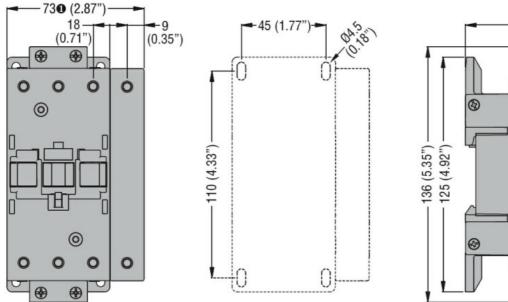


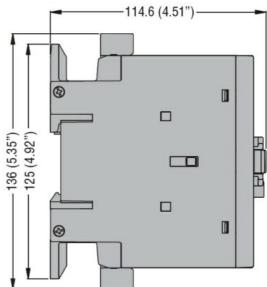
FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 70A, AC COIL 60HZ,

 			
in DC			
Closing NO			40
	min	ms	40
0 : 110	max	ms	85
Opening NO			22
	min	ms	20
	max	ms	55
UL technical data		, ,	
Rated operational voltage AC (UL)		V	600
Full-load current (FLA) for three-phase AC motor			
	at 480V	Α	40
	at 600V	Α	32
Yielded mechanical performance			
for single-phase AC motor			
	110/120V	HP	3
	230V	HP	7.5
for three-phase AC motor			
	200/208V	HP	10
	220/230V	HP	15
	460/480V	HP	30
	575/600V	HP	30
General USE			
Contactor			
	AC current	Α	70
Short-circuit protection fuse, 600V			
High fault			
	Short circuit current	kA	100
	Fuse rating	Α	150
	Fuse class		J
Standard fault			
	Short circuit current	kA	5
	Fuse rating	Α	150
	Fuse class		RK5
Ambient conditions			
Temperature			
Operating temperature			
	min	°C	-50
	max	°C	70
Storage temperature			
- ·	min	°C	-60
	max	°C	80
Max altitude		m	3000
Resistance & Protection			
Pollution degree			3
Dimensions			

ENERGY AND AUTOMATION

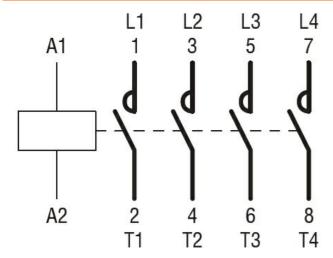
FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 70A, AC COIL 60HZ, 230VAC





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