BF400T4E110



FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 600A, AC/DC COIL, 60... 130VAC/DC



Product designation Product type designation			Power contactor BF400
Contact characteristics			BI 400
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	600
Operational current le			
	AC-1 (≤40°C)	А	600
	AC-1 (≤55°C)	А	500
	AC-1 (≤70°C)	А	435
	AC-3 (≤440V ≤55°C)	А	400
	AC-4 (400V)	А	190
Rated operational power AC-3 (T≤55°C)			
	230V	kW	110
	400V	kW	200
	415V	kW	200
	440V	kW	200
	500V	kW	250
	690V	kW	315
	1000V	kW	200
Rated operational current AC-3 (T≤55°C)			
	230V	А	400
	400V	А	400
	415V	А	400
	440V	А	400
	500V	А	350
	690V	А	350
	1000V	A	155
Rated operational power AC-1 (T≤40°C)			
	230V	kW	227
	400V	kW	395
	500V	kW	434
	690V	kW	681
IEC max current le in DC1 with $L/R \le 1$ ms with 1 poles in series			
	75V	А	400
	110V	A	250
IEC max current le in DC1 with $L/R \le 1$ ms with 2 poles in series			
	75V	А	400
	110V	А	400
IFC many surrant la in DC1 with L/D < 1 may with 2 males in series	220V	A	350

IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series



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75V 400 А 110V А 400 220V А 400 330V 350 А IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series А 400 75V 110V А 400 220V А 400 IEC max current le in DC3-DC5 with L/R ≤ 15ms with 1 poles in series 75V А 350 110V А 200 IEC max current le in DC3-DC5 with L/R ≤ 15ms with 2 poles in series 75V А 350 110V А 350 220V 280 А IEC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series 75V 350 А 110V А 350 220V А 350 330V А 280 IEC max current le in DC3-DC5 with L/R ≤ 15ms with 4 poles in series 75V А 350 110V А 350 220V А 350 330V А 350 460V А 280 Short-time allowable current for 10s (IEC/EN60947-1) А 3200 Protection fuse gG (IEC) А 800 aM (IEC) 500 А Making capacity (RMS value) А 4000 Breaking capacity at voltage 440V А 3200 500V A 2752 690V А 2504 Resistance per pole (average value) mΩ 0.12 Power dissipation per pole (average value) lth W 43.2 AC-3 W 19 Tightening torque for terminals min Nm 35 Nm 35 max lbin 310 min Ibin max 310 Tightening torque for coil terminal 0.8 min Nm max Nm 1 Power terminal protection according to IEC/EN 60529 **IP00** Mechanical features Operating position

 normal
 Vertical plan

 allowable
 ±30°

 Fixing
 Screw



BF400T4E110 FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 600A, AC/DC COIL, 60...

ENERGY AND AUTOMATION

130VAC/DC

lechanical life		cycles	5000000
Electrical life		cycles	600000
Safety related data			
Performance level B10d according to EN/ISO 13489-1			
	rated load	cycles	1000000
EMC compatibility		•	yes
AC coil operating			
Rated AC voltage at 50/60Hz, 60Hz			
	min	V	60
	max	V	130
AC operating voltage			
of 50/60Hz coil powered at 50Hz			
, pick-up			
	min	%Us	80 Us min
	max	%Us	110 Us max
drop-out			
	max	%Us	≤70 Us min
of 50/60Hz coil powered at 60Hz			
pick-up			
prov ob	min	%Us	80 Us min
	max	%Us	110 Us max
drop-out	Пах	/000	i to bo max
	max	%Us	≤70 Us min
AC average coil consumption at 20°C	Пах	/000	
of 50/60Hz coil powered at 50Hz			
	in-rush	VA	160320
	holding	VA VA	3.58.0
of 50/60Hz coil powered at 60Hz	noiding	٧٨	5.50.0
	in-rush	VA	160320
		VA VA	3.58.0
of COLIZ and noward at COLIZ	holding	VA	3.50.0
of 60Hz coil powered at 60Hz	in ruch	١/٨	160 200
	in-rush	VA	160320
	holding	VA	3.58.0
Dissipation at holding ≤20°C 50Hz		W	3.58.0
OC coil operating			
DC rated control voltage	min	17	60
	min	V	
	max	V	130
DC operating voltage			
pick-up	·*	0/11-	
	min	%Us	85 Us min
Jacob and	max	%Us	110 Us max
drop-out		0/11	-70.11
	max	%Us	≤70 Us min
Average coil consumption ≤20°C			
	in-rush	W	160230
	holding	W	3.58.0
Nax cycles frequency			
Aechanical operation		cycles/h	1000
Operating times			
Average time for Us control			

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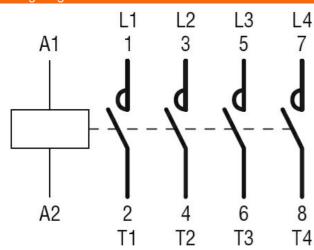
	Closing	NO		
		min	ms	80
		max	ms	120
	Opening	NO		
		min	ms	30
		max	ms	75
UL technical data				
Yielded mechanica	l performance			
	for three-phase AC motor			
		200/208V	HP	125
		220/230V	HP	150
		460/480V	HP	350
		575/600V	HP	400
General USE				
	Contactor			
		AC current	А	600
Short-circuit protect	tion fuse, 600V			
	High fault			
		Short circuit current	kA	100
		Fuse rating	А	600
		Fuse class		J
	Standard fault			
		Short circuit current	kA	18
		Fuse rating	А	600
		Fuse class		RK5
Ambient conditions	3			
Temperature				
	Operating temperature			
		min	°C	-40
		max	°C	70
	Storage temperature			
		min	°C	-50
		max	°C	80
Max altitude			m	3000
Resistance & Prote	ection			
Pollution degree				3
Dimensions				
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ENERGY AND AUTOMATION

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		
	cULus	
ETIM classification		
		EC000066 -
ETIM 8.0		Power contactor,

Power contactor, AC switching