

FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 600A, AC/DC COIL, 100...250VAC/DC



Product designation			Power contactor
Product type designation			BF400
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	600
Operational current le			
	AC-1 (≤40°C)	Α	600
	AC-1 (≤55°C)	Α	500
	AC-1 (≤70°C)	Α	435
	AC-3 (≤440V ≤55°C)	Α	400
D. I. I. A.O.O. (T. (5500))	AC-4 (400V)	Α	190
Rated operational power AC-3 (T≤55°C)	0001/		440
	230V	kW	110
	400V	kW	200
	415V	kW	200
	440V	kW	200
	500V	kW	250
	690V 1000V	kW kW	315 200
Rated operational current AC-3 (T≤55°C)	1000 V	KVV	200
Nated operational current AC-3 (1233 C)	230V	Α	400
	400V	A	400
	400 V 415 V	A	400
	440V	A	400
	500V	A	350
	690V	A	350
	1000V	Α	155
Rated operational power AC-1 (T≤40°C)	10001		100
ration operational power rio 1 (1=10 0)	230V	kW	227
	400V	kW	395
	500V	kW	434
	690V	kW	681
IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series			
'	75V	Α	400
	110V	Α	250
IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series			
·	75V	Α	400
	110V	Α	400
	220V	Α	350
IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series			



BF400T4E230

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	75V	Α	400
	110V	Α	400
	220V	Α	400
	330V	Α	350
IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series			
	75V	Α	400
	110V	Α	400
	220V	Α	400
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 1 poles in series			
	75V	Α	350
	110V	Α	200
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 2 poles in series			
·	75V	Α	350
	110V	Α	350
	220V	Α	280
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series			
	75V	Α	350
	110V	A	350
	220V	A	350
	330V	A	280
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 4 poles in series		- , ,	200
TEO HIGA GUITOTIC IN 1900 1900 WILL ETT = Tollio Will 1 poloci in collec	75V	Α	350
	110V	A	350
	220V	A	350
	330V	A	350
	460V	A	280
Short-time allowable current for 10s (IEC/EN60947-1)	100 1	A	3200
Protection fuse			0200
Trottodion ruso	gG (IEC)	Α	800
	aM (IEC)	Α	500
Making capacity (RMS value)	aw (IEO)	A	4000
Breaking capacity (11/10 Value)			4000
breaking capacity at voltage	440V	Α	3200
	500V		2752
	690V	A	2504
Posistance per pole (everage value)	090 v	A m0	0.12
Resistance per pole (average value) Power dissipation per pole (average value)		mΩ	0.12
Power dissipation per pole (average value)	I.I.	14/	40.0
	Ith	W	43.2
Tightening teams for teams also	AC-3	W	19
Tightening torque for terminals			0.5
	min	Nm	35
	max	Nm	35
	min	lbin	310
		0.0	
	max	Ibin	310
Tightening torque for coil terminal	max		
rightening torque for coil terminal	max min	Nm	0.8
	max		0.8 1
Power terminal protection according to IEC/EN 60529	max min	Nm	0.8
Power terminal protection according to IEC/EN 60529 Mechanical features	max min	Nm	0.8 1
Power terminal protection according to IEC/EN 60529	max min	Nm	0.8 1 IP00
Power terminal protection according to IEC/EN 60529 Mechanical features	max min max normal	Nm	0.8 1 IP00 Vertical plan
Power terminal protection according to IEC/EN 60529 Mechanical features	max min max	Nm	0.8 1 IP00



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Operations			
Mechanical 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	100
	max	V	250
AC operating voltage			
of 50/60Hz coil powered at 50Hz			
pick-up			
• •	min	%Us	80 Us min
	max	%Us	110 Us max
drop-out			
1	max	%Us	≤70 Us min
of 50/60Hz coil powered at 60Hz			
pick-up			
·	min	%Us	80 Us min
	max	%Us	110 Us max
drop-out			
·	max	%Us	≤70 Us min
AC average coil consumption at 20°C			
of 50/60Hz coil powered at 50Hz			
·	in-rush	VA	160320
	holding	VA	3.58.0
of 50/60Hz coil powered at 60Hz			
·	in-rush	VA	160320
	holding	VA	3.58.0
of 60Hz coil powered at 60Hz			
·	in-rush	VA	160320
	holding	VA	3.58.0
Dissipation at holding ≤20°C 50Hz	<u> </u>	W	3.58.0
DC coil operating			
DC rated control voltage			
· ·	min	V	100
	max	V	250
DC operating voltage			
pick-up			
	min	%Us	85 Us min
	max	%Us	110 Us max
drop-out			
1	max	%Us	≤70 Us min
Average coil consumption ≤20°C		-	
	in-rush	W	160230
	holding	W	3.58.0
Max cycles frequency			
Mechanical operation		cycles/h	1000
		5, 5.55/11	
Operating times			

in AC



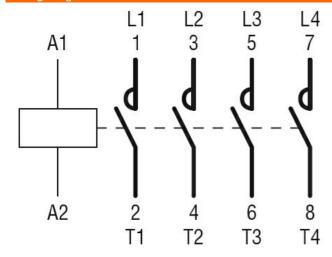
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		Closing NO				
			min	ms	80 120	
		Opening NO	max	ms	120	
		- p9	min	ms	30	
			max	ms	75	
UL technical data	. wf a was a sa					
Yielded mechanical pe	enormance for three-phase AC mo	otor				
	ioi tillee-pilase Ao ille	noi	200/208V	HP	125	
			220/230V	HP	150	
			460/480V	HP	350	
			575/600V	HP	400	
General USE	0					
	Contactor		AC current	Α	600	
Short-circuit protection	n fuse 600V		AC current	<u> </u>	000	
Short official protoction	High fault					
	3		Short circuit current	kA	100	
			Fuse rating	Α	600	
			Fuse class		J	
	Standard fault		Ob ant aire it account	1. A	4.0	
			Short circuit current Fuse rating	kA A	18 600	
			Fuse class		RK5	
Ambient conditions						
Temperature						
	Operating temperature					
			min	°C	-40 70	
	Storage temperature		max	<u> </u>	70	
	Otorage temperature		min	°C	-50	
			max	°C	80	
Max altitude				m	3000	
Resistance & Protection	on					
Pollution degree					3	
Dimensions				181.5	5	
- 57.5 35	92.5		•	— 137.9 —	75/-	
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ENERGY AND AUTOMATION

FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 600A, AC/DC COIL, 100...250VAC/DC

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

ETIM 8.0

EC000066 -Power contactor, AC switching

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