



			elles .
Product designation			Power contactor
Product type designation			BF230
Contact characteristics			
Number of poles		Nr.	4
Rated insulation voltage Ui IEC/EN		V	1000
Rated impulse withstand voltage Uimp		kV	8
Operational frequency		ιτν	0
Operational frequency	min	Hz	25
		Hz	400
IEC Conventional free air thermal current Ith	max		
		A	350
Operational current le			050
	AC-1 (≤40°C)	A	350
	AC-1 (≤55°C)	A	290
	AC-1 (≤70°C)	A	250
	AC-4 (400V)	A	110
Rated operational power AC-1 (T≤40°C)			
	230V	kW	132
	400V	kW	230
	500V	kW	253
	690V	kW	397
IEC max current le in DC1 with $L/R \le 1$ ms with 1 poles in series			
	≤24V	А	350
	48V	А	350
	75V	А	350
	110V	А	145
	220V	А	-
IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series			
	≤24V	А	350
	48V	А	350
	75V	А	350
	110V	А	270
	220V	А	225
IEC max current le in DC1 with L/R \leq 1ms with 3 poles in series			
	≤24V	А	350
	48V	A	350
	75V	A	350
	110V	A	270
	220V	A	270
	330V	A	225
IEC max current le in DC1 with L/R \leq 1ms with 4 poles in series	330 4	~	220
	~0111	۸	250
	≤24V	A	350
	48V	A	350
	75V	A	350
	110V	A	350
	220V	А	350



IEC max current le in DC3-DC5 with L/R ≤ 15ms with 1 poles in series			
The max current le in DC3-DC3 with $L/R \le 15$ ins with 1 poles in series	<241	٨	250
	≤24V	A	350
	48V	A	350
	75V	A	250
	110V	A	135
	220V	A	_
IEC max current le in DC3-DC5 with $L/R \le 15$ ms with 2 poles in series			
	≤24V	A	350
	48V	А	350
	75V	А	250
	110V	А	225
	220V	Α	180
IEC max current le in DC3-DC5 with L/R \leq 15ms with 3 poles in series			
	≤24V	А	350
	48V	А	350
	75V	А	250
	110V	А	250
	220V	А	225
	330V	А	180
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 4 poles in series			
	≤24V	А	350
	48V	A	350
	75V	A	250
	110V	A	250
	220V	A	225
	330V	A	210
	460V	A	180
Short-time allowable current for 10s (IEC/EN60947-1)	400 v	A	1840
Protection fuse		~	1040
Protection fuse		٨	400
	gG (IEC)	A	400
	aM (IEC)	<u>A</u>	250
Making capacity (RMS value)		A	2300
Breaking capacity at voltage			
	440V	A	1840
	500V	А	1472
	690V	Α	1296
Resistance per pole (average value)		mΩ	0.18
Power dissipation per pole (average value)			
	lth	W	21
	AC-3	W	9.3
Tightening torque for terminals			
	min	Nm	18
	max	Nm	18
	min	Ibin	159
	max	Ibin	159
Tightening torque for coil terminal	max		
	min	Nm	0.8
	max	Nm	1
Power terminal protection according to IEC/EN 60529	Παλ		IP00
Mechanical features			
Operating position			
	normal		Vertical plan
	allowable		±30°

BF230T4E400



BF230T4E400 CONTACTOR TETRAPOLAR, CORRIENTE DE OPERACIÓN IEC ITH (AC1) = 350A, BOBINA

ENERGY AND AUTOMATION

AC/DC, 250...500VAC/DC

Fixing				Screw
Weight			g	4000
Operations				
Mechanical life			cycles	10000000
Electrical life			cycles	1000000
Safety related data				
	according to EN/ISO 13489-1			
	5	rated load	cycles	1000000
EMC compatibility			-,	yes
AC coil operating				,00
Rated AC voltage at 50/6	30Hz 60Hz			
Rated AO Voltage at 50/		min	V	250
			V	230 500
		max	V	500
AC operating voltage	of EQ/GOUT and new ared at EQUE			
	of 50/60Hz coil powered at 50Hz			
	pick-up	. •	0/11-	
		min	%Us	80 Us min
		max	%Us	110 Us max
	drop-out			
		min	%Us	20
-		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			
		min	%Us	20
		max	%Us	≤70 Us min
AC average coil consum	•			
	of 50/60Hz coil powered at 50Hz			
		in-rush	VA	160230
<u> </u>		holding	VA	1.53.0
	of 50/60Hz coil powered at 60Hz			
		in-rush	VA	160230
		holding	VA	1.53.0
-	of 60Hz coil powered at 60Hz			
		in-rush	VA	160230
		holding	VA	1.53.0
Dissipation at holding ≤2	0°C 50Hz	Ŭ	W	1.53.0
DC coil operating				
DC rated control voltage				
0		min	V	250
		max	V	500
DC operating voltage			-	
	pick-up			
		min	%Us	85 Us min
		max	%Us	110 Us max
-	drop-out	IIIdX	/005	110 03 1110
	uiop-oui	200	0/11-	<70 Lla min
	20°C	max	%Us	≤70 Us min
Average coil consumptio	011 ≥∠U U			400 000
		in-rush	W	160230
		holding	W	1.53.0

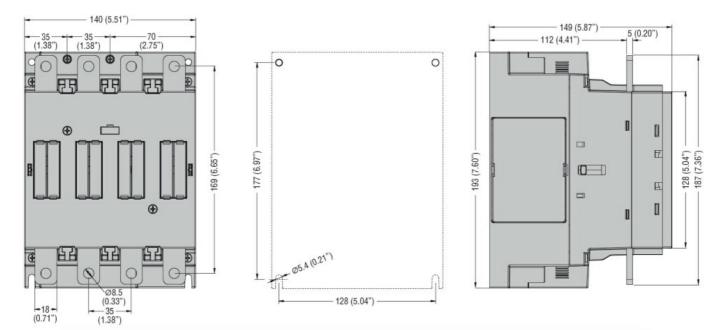


BF230T4E400 CONTACTOR TETRAPOLAR, CORRIENTE DE OPERACIÓN IEC ITH (AC1) = 350A, BOBINA

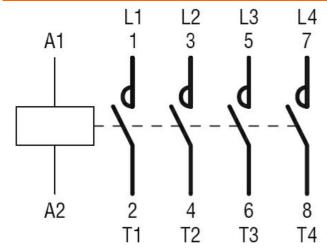
AC/DC, 250...500VAC/DC

Mechanical operation				cycles/h	1000
Operating times					
Average time for Us c					
	in AC				
		Closing NO			
			min	ms	50
			max	ms	100
		Opening NO			
			min	ms	30
			max	ms	75
UL technical data					
Yielded mechanical po					
	for three-phase AC mo	otor			
			200/208V	HP	75
			220/230V	HP	75
			460/480V	HP	150
<u> </u>			575/600V	HP	200
General USE					
	Contactor				
0	(AC current	A	350
Short-circuit protection					
	High fault				100
			Short circuit current	kA	100
			Fuse rating	A	400
			Fuse class		J
	Standard fault		Ob ant airea it arread	1. 4	4.0
			Short circuit current	kA	10
			Fuse rating	А	400 DK5
Ambient conditions			Fuse class		RK5
Ambient conditions					
Temperature	Operating temperature				
	Operating temperature	1	min	°C	-40
			min		
	Storage temperature		max	°C	70
	Storage temperature		min	°C	-50
			max	°C	-50 80
Max altitude			IIIdX	 	3000
Resistance & Protecti	on			111	5000
Pollution degree					3
Dimensions					5
Dimensions					





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 -
		E0000000

Power contactor, AC switching

ETIM 8.0