electric CONTACTOR TRIPOLAR, CORRIENTE DE OPERACIÓN IEC IE (AC3) = 400A, BOBINA AC/DC, 250...500VAC/DC **ENERGY AND AUTOMATION**



Product designation Product type designation			Power contactor BF400
Contact characteristics			DI 400
Number of poles		Nr.	3
Rated insulation voltage Ui IEC/EN		V	1000
Rated impulse withstand voltage Uimp		kV	8
Operational frequency		i v	
Operational mediciney	min	Hz	25
	max	Hz	400
IEC Conventional free air thermal current Ith	max	A	600
Operational current le			000
Operational current le	AC-1 (≤40°C)	Α	600
	AC-1 (≤55°C)	A	500
	AC-1 (≤33°C) AC-1 (≤70°C)	A	435
	AC-3 (≤440V ≤55°C)	A	400
	AC-4 (400V)	A	190
Rated operational power AC-3 (T≤55°C)	AO-4 (400V)		190
Nated operational power AO-5 (1-200 O)	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)	1000 V	KVV	200
Nated operational current AO-3 (1200 O)	230V	Α	400
	400V	A	400
	400 V 415 V	A	400
	440V	A	400
	500V	A	350
	690V	A	350
	1000V	A	155
Rated operational power AC-1 (T≤40°C)	1000 V		100
rated operational power no 1 (1=40 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	030 V	17.4.4	
120 max outlone to in 201 with 2/112 mile with 1 poles in selles	75V	Α	400
	110V	A	250
IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series	1100		200
120 max outlette in 201 with 2/112 miles with 2 poles in selles	75V	Α	400
	110V	A	400
	220V	A	350
IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series	2201	Λ.	300



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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			
TEC MARK CANCER TO IN ECC E CO MAR EN LE TOMO MARE PORCE IN COMO	75V	Α	350
	110V	Α	350
	220V	A	280
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series	220 V		200
TEC max current le in DC3-DC3 with L/N \(\frac{1}{2} \) Toms with 3 poles in series	75\/	۸	250
	75V 110V	A	350
		A	350
	220V	A	350
	330V	Α	280
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 4 poles in series		_	
	75V	Α	350
	110V	Α	350
	220V	Α	350
	330V	Α	350
	460V	A	280
Short-time allowable current for 10s (IEC/EN60947-1)		Α	3200
Protection fuse			
	gG (IEC)	Α	800
	aM (IEC)	Α	500
Making capacity (RMS value)		Α	4000
Breaking capacity at voltage			
	440V	Α	3200
	500V	Α	2752
	690V	Α	2504
Resistance per pole (average value)		mΩ	0.12
Power dissipation per pole (average value)			****
Tomor diosipation por pore (arrorage value)	lth	W	43.2
	AC-3	W	19
Tightening torque for terminals	7.0 0	**	10
rightering torque for terminals	min	Nim	35
	min	Nm Nm	
	max	Nm	35
	min	lbin	310
Tinhtonian tennus for cell tensiles!	max	lbin	310
Tightening torque for coil terminal	_		
	min	Nm	0.8
	max	Nm	1
Power terminal protection according to IEC/EN 60529			IP00
Mechanical features			
Operating position			
	normal		Vertical plan
	allowable		±30°
Fixing			Screw



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Operations				
Mechanical life			cycles	5000000
Electrical life			cycles	600000
Safety related data			.,	
	d 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	250
		max	V	500
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			
		min	%Us	80 Us min
		max	%Us	110 Us max
	drop-out			
		max	%Us	≤70 Us min
AC average coil consur				
	of 50/60Hz coil powered at 50Hz			400 000
		in-rush	VA	160320
	(50/0011 "	holding	VA	3.58.0
	of 50/60Hz coil powered at 60Hz			400 000
		in-rush	VA	160320
	of COLLE and provinced at COLLE	holding	VA	3.58.0
	of 60Hz coil powered at 60Hz	in ruch	VA	160320
		in-rush holding	VA VA	3.58.0
Dissipation at holding ≤	20°C €0H-	Holding	W	3.58.0
DC coil operating	20 C 301 IZ		VV	3.36.0
DC rated control voltage	Δ			
DO Taled control voltage	C	min	V	250
		max	V	500
DC operating voltage		IIIdx	v	
20 operating voltage	pick-up			
	F.~ ∾k	min	%Us	85 Us min
		max	%Us	110 Us max
	drop-out		,,,,,,	
	1	max	%Us	≤70 Us min
Average coil consumpti	ion ≤20°C			
g		in-rush	W	160230
		holding	W	3.58.0
Max cycles frequency				
Mechanical operation			cycles/h	1000
Operating times				
Average time for Us con	ntrol			

Average time for Us control

in AC

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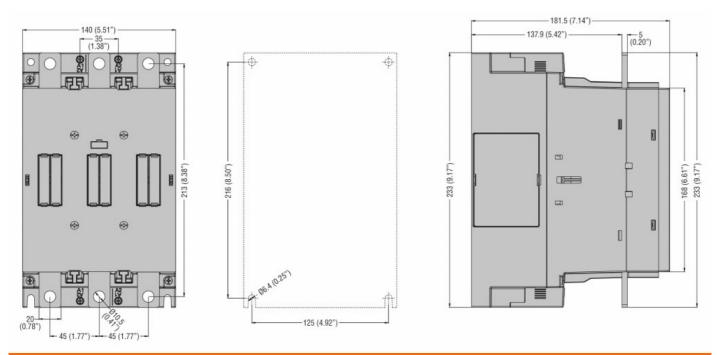
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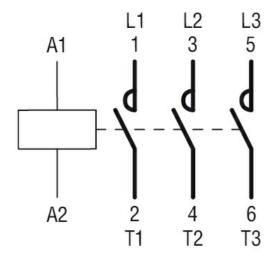
	Closing NO			
	_	min	ms	80
		max	ms	120
	Opening NO			
	- Farmi 9	min	ms	30
		max	ms	75
UL technical data				. •
Yielded mechanical pe	rformance			
riolada modilamodi po	for three-phase AC motor			
	Tor timee phase Ao motor	200/208V	HP	125
		200/200V 220/230V	HP	150
		460/480V	HP	350
			HP	
0		575/600V	пР	400
General USE				
	Contactor			
		AC current	A	600
Short-circuit protection				
	High fault			
		Short circuit current	kA	100
		Fuse rating	Α	600
		Fuse class		J
	Standard fault			
		Short circuit current	kA	18
		Fuse rating	Α	600
		Fuse class		RK5
Ambient conditions				
Temperature				
romporataro	Operating temperature			
	operating temperature	min	°C	-40
			°C	70
	Ctore as to men a return	max	C	70
	Storage temperature		°C	F0
		min	°C	-50
NA 100 I		max	°C	80
Max altitude			m	3000
Resistance & Protection	on			
Pollution degree				3
Dimensions				

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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