

THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 265A, AC/DC COIL, 100...250VAC/DC



Product designation Product type designation			Power contactor BF265
Contact characteristics			
Number of poles		Nr.	3
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	450
Operational current le			
	AC-1 (≤40°C)	Α	450
	AC-1 (≤55°C)	Α	375
	AC-1 (≤70°C)	Α	325
	AC-3 (≤440V ≤55°C)	Α	265
	AC-4 (400V)	Α	125
Rated operational power AC-3 (T≤55°C)			
	230V	kW	75
	400V	kW	132
	415V	kW	132
	440V	kW	160
	500V	kW	160
	690V	kW	200
	1000V	kW	160
Rated operational current AC-3 (T≤55°C)			
	230V	Α	265
	400V	Α	265
	415V	Α	265
	440V	Α	265
	500V	Α	250
	690V	Α	250
	1000V	Α	115
Rated operational power AC-1 (T≤40°C)			
	230V	kW	170
	400V	kW	296
	500V	kW	326
	690V	kW	511
IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series			
	75V	Α	350
	110V	Α	160
IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series			
	75V	Α	350
	110V	Α	300
	220V	Α	250



BF26500E230

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	75V	Α	350
	110V	Α	300
	220V	Α	300
	330V	Α	250
IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series			
	75V	Α	350
	110V	Α	300
	220V	Α	300
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 1 poles in series			
·	75V	Α	280
	110V	Α	150
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 2 poles in series			
	75V	Α	280
	110V	Α	250
	220V	Α	200
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series	2201		200
TEO HIGH GUITORIC TO HIT DOO DOO WILL E/TY = TOING WILL O POICE HIT SOILES	75V	Α	280
	110V	A	280
	220V	A	250
	330V	A	200
IFC many assument to in DC2 DC5 with 1/D < 45mm with 4 males in position	330 V	A	200
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 4 poles in series	751	۸	000
	75V	A	280
	110V	A	280
	220V	Α	280
	330V	Α	280
	460V	A	200
Short-time allowable current for 10s (IEC/EN60947-1)		Α	2120
Protection fuse	a (1= a)	_	
	gG (IEC)	Α	630
	aM (IEC)	Α	400
Making capacity (RMS value)		Α	2650
Breaking capacity at voltage			
	440V	Α	2120
	500V	Α	1792
	690V	Α	1624
Resistance per pole (average value)		$m\Omega$	0.12
Power dissipation per pole (average value)			
	Ith	W	24.3
	AC-3	W	8.4
Tightening torque for terminals			
	min	Nm	35
	max	Nm	35
	min	Ibin	310
	max	lbin	310
Tightening torque for coil terminal			
	min	Nm	0.8
	max	Nm	1
Power terminal protection according to IEC/EN 60529	11107		IP00
Mechanical features			
Operating position			
operating position	normal		Vertical plan
	allowable		±30°
Fixing	allowable		Screw
i ialing			SCIEW



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Operations				
Mechanical life			cycles	5000000
Electrical life			cycles	900000
Safety related data				
Performance level B10	d according to EN/ISO 13489-1			
		rated load	cycles	1000000
EMC compatibility				yes
AC coil operating				
Rated AC voltage at 50	0/60Hz, 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		0/11	-70
	(50/0011 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	max	%Us	≤70 Us min
	of 50/60Hz coil powered at 60Hz			
	pick-up		0/11	00.11= - 1
		min	%Us	80 Us min
	deser sort	max	%Us	110 Us max
	drop-out	mov	%Us	≤70 Us min
AC average seil cancu	motion at 20°C	max	%08	≥/U US IIIIII
AC average coil consu	•			
	of 50/60Hz coil powered at 50Hz	in much	١/٨	160 220
		in-rush	VA VA	160320 3.58.0
	of 50/60Hz poil powered at 60Hz	holding	VA	3.36.0
	of 50/60Hz coil powered at 60Hz	in-rush	VA	160320
		holding	VA VA	3.58.0
	of 60Hz coil powered at 60Hz	riolaling	VA	3.36.0
	of bonz coil powered at bonz	in-rush	VA	160320
		holding	VA VA	3.58.0
Dissipation at holding ≤	20°C 50H-	Holding	W	3.58.0
DC coil operating	20 C 301 IZ		VV	3.30.0
DC rated control voltag	IA			
Do rated control voltag		min	V	100
		max	V	250
DC operating voltage		max	v	
oporating voltage	pick-up			
	L.a., ab	min	%Us	85 Us min
		max	%Us	110 Us max
	drop-out	ax	,,,,,	coman
		max	%Us	≤70 Us min
Average coil consumpt	tion ≤20°C	max	,,,,,	C CC 111111
s.age con concamp		in-rush	W	160230
		holding	W	3.58.0
Max cycles frequency		- Iolaing	V V	3.30.0
Mechanical operation			cycles/h	1000
Operating times			Jy 0103/11	.000

in AC





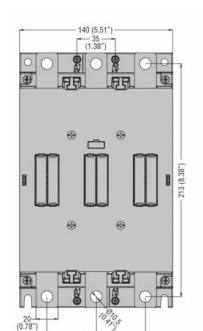
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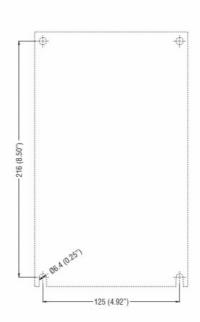
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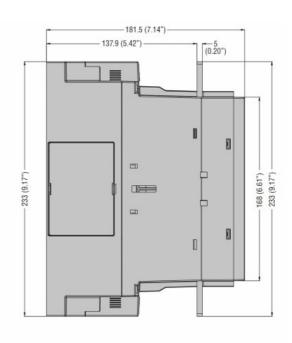
	Closing NO			
	-	min	ms	80
		max	ms	120
	Opening NO			
	5 F 5 9 * * * *	min	ms	30
		max	ms	75
UL technical data				. •
Yielded mechanical pe	erformance			
riolada modilarildar pe	for three-phase AC motor			
	ioi tiliee-pilase Ao illotoi	200/208V	HP	75
		220/230V	HP	100
		460/480V	HP	200
0		575/600V	HP	250
General USE				
	Contactor			
		AC current	Α	450
Short-circuit protection	n fuse, 600V			
	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				
. oporataro	Operating temperature			
	Operating temperature	min	°C	-40
			°C	70
	Ctorogo tomporaturo	max	U	10
	Storage temperature	······································	۰.	5 0
		min	°C	-50
		max	°C	80
Max altitude			m	3000
Resistance & Protection	on			
Pollution degree				3
Dimensions				

ENERGY AND AUTOMATION

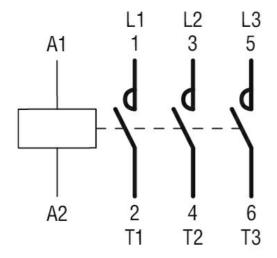
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Wiring diagrams



45 (1.77")

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