

## THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 265A, AC/DC COIL, 60... 130VAC/DC



Product designation Product type designation			Power contactor BF265
Contact characteristics			DF205
Number of poles		Nr.	3
Rated insulation voltage Ui IEC/EN		V	1000
		kV	8
Rated impulse withstand voltage Uimp		KV	0
Operational frequency	•		0.5
	min	Hz	25
IFO Occupation of the second constitution	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	090 V	KVV	311
TEO MAX CUITOR TO THE WILLT LINE WILL I POLES III SELLES	75V	۸	350
		A	
IFC may current to in DC4 with 1/D < 4 == with 2 == les is ===is	110V	A	160
IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series	751	Δ.	250
	75V	A	350
	110V	A	300
IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series	220V	Α	250



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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	000 1	- / \	
120 max current le in 201 with 2/103 mit 4 poles in series	75V	Α	350
	110V	A	300
	220V	A	300
IFC may current to in DC2 DC5 with L/D < 15mg with 1 notes in coring	220 V	^	300
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 1 poles in series	75\/	۸	000
	75V	A	280
150 DOO DOO 111 L/D 445 111 O L 1	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			
	75V	Α	280
	110V	Α	280
	220V	Α	250
	330V	Α	200
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 4 poles in series			
<b>'</b>	75V	Α	280
	110V	Α	280
	220V	Α	280
	330V	Α	280
	460V		200
Short time allowable current for 10c (IEC/ENG0047-1)	400 V	<u>А</u> А	2120
Short-time allowable current for 10s (IEC/EN60947-1)  Protection fuse		A	2120
Protection fuse	~O (IEO)	۸	000
	gG (IEC)	Α	630
<del></del>	aM (IEC)	Α	400
Making capacity (RMS value)		A	2650
Breaking capacity at voltage			
	440V	Α	2120
	500V	Α	1792
	690V	Α	1624
Resistance per pole (average value)		mΩ	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	lbin	310
	max	Ibin	310
Tightening torque for coil terminal	IIIAX	IDIII	010
rightening torque for contentinal	:-	Nima	0.0
	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

**ENERGY AND AUTOMATION** 

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Operations			
Mechanical life		cycles	5000000
Electrical life		cycles	900000
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			
	min	%Us	80 Us min
	max	%Us	110 Us max
drop-out		0/11	-70.11
	max	%Us	≤70 Us min
AC average coil consumption at 20°C			
of 50/60Hz coil powered at 50Hz			
	in-rush	VA	160320
170/2011	holding	VA	3.58.0
of 50/60Hz coil powered at 60Hz			400 000
	in-rush	VA	160320
. ( 0011 )	holding	VA	3.58.0
of 60Hz coil powered at 60Hz			100 000
	in-rush	VA	160320
2' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '	holding	VA	3.58.0
Dissipation at holding ≤20°C 50Hz		W	3.58.0
OC coil operating			
OC rated control voltage			00
	min	V	60
OC operating voltage	max	V	130
OC operating voltage			
pick-up	min	%Us	85 Us min
	min	%Us %Us	110 Us max
drop-out	max	/005	1 TO US IIIAX
αιορ-οαι	mov	%Us	≤70 Us min
verage coil consumption ≤20°C	max	/005	210 09 IIIII
rverage con consumption >20 C	in-rush	\\/	160 220
	in-rush holding	W	160230 3.58.0
Max cycles frequency	noiding	VV	J.JO.U
Max cycles frequency Mechanical operation		cycles/h	1000
nechanical Operation		Cycles/11	1000
Operating times			

in AC

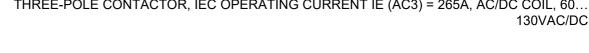


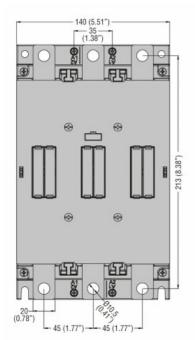
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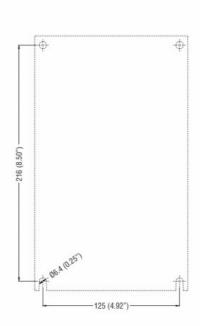
	Closing NO			
	Ç	min	ms	80
		max	ms	120
	Opening NO			
	1 3	min	ms	30
		max	ms	75
UL technical data				
Yielded mechanical pe	erformance			
·	for three-phase AC motor			
		200/208V	HP	75
		220/230V	HP	100
		460/480V	HP	200
		575/600V	HP	250
General USE		2.2,200		
	Contactor			
	Comacion	AC current	Α	450
Short-circuit protection	fuse 600V	7.10 00.110		
Onort on our protootion	High fault			
	riigiriadit	Short circuit current	kA	100
		Fuse rating	A	600
		Fuse class	^	J
	Standard fault	1 430 01433		
	Staridard radit	Short circuit current	kA	18
		Fuse rating	A	600
		Fuse class	^	RK5
Ambient conditions		ruse ciass		KNO
•				
Temperature	Operating temperature			
	Operating temperature	ma:	°C	40
		min		-40 -70
	01	max	°C	70
	Storage temperature		۰.	50
		min	°C	-50
B. B. 169 1		max	°C	80
Max altitude			m	3000
Resistance & Protection	on			
Pollution degree				3
Dimensions				

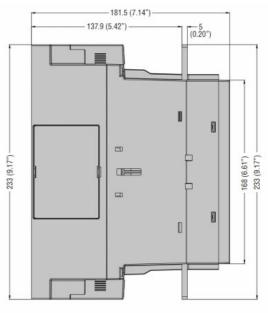
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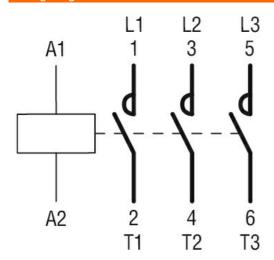








#### Wiring diagrams



### 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