electric FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 450A, AC/DC COIL, 250... 500VAC/DC **ENERGY AND AUTOMATION**



Product designation Product type designation			Power contactor BF265
Contact characteristics			DI 200
Number of poles		Nr.	4
Rated insulation voltage Ui IEC/EN		V	1000
Rated impulse withstand voltage Uimp		kV	8
Operational frequency			
operational modulotoy	min	Hz	25
	max	Hz	400
IEC Conventional free air thermal current Ith	THO.	A	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)	- (/		
1 1 ()	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
IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series			



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	75V	Α	350
	110V	A	300
	220V	Α	300
	330V	Α	250
IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series		- , ,	
TEO Max canonic to in 201 with Ent 2 mile with 1 poles in conce	75V	Α	350
	110V	A	300
	220V	A	300
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 1 poles in series	220 V		
TEO max current le in 200-200 with E/N = 15ms with 1 poles in series	75V	Α	280
	110V	A	150
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 2 poles in series	1100	A	150
TEC max current le in DC3-DC5 with L/R \(\) Toms with 2 poles in series	751/	۸	200
	75V	A	280
	110V	A	250
150	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	A	200
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 4 poles in series			
	75V	Α	280
	110V	Α	280
	220V	Α	280
	330V	Α	280
	460V	Α	200
Short-time allowable current for 10s (IEC/EN60947-1)		Α	2120
Protection fuse			
	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)		mΩ	0.12
Power dissipation per pole (average value)			
	lth	W	24.3
	AC-3	W	8.4
Tightening torque for terminals			
	min	Nm	35
	max	Nm	35
	min	lbin	310
		lbin	310
Tightening torque for coil terminal	max	ווטו	310
rightening torque for contenninal		Nima	0.0
	min	Nm Nm	0.8
Device terminal protection consulting to IFO/FN 00500	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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ENERGY AND AUTOMATION				500VAC/DC
Operations				
Mechanical life			cycles	5000000
Electrical life			cycles	900000
Safety related data			Cycles	300000
-	Od according to EN/ISO 13489-1			
T CHOITIANCE ICVCI BIN	od docording to ENVICO 10400 1	rated load	cycles	1000000
EMC compatibility		Tated load	Oyoloo	yes
AC coil operating				yes
Rated AC voltage at 50	0/60Hz 60Hz			
Nateu AC Voltage at 5	0/00112, 00112	min	\/	250
		min	V	250
A O a manatina manatina ma		max	V	500
AC operating voltage	(50/0011 "			
	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 consu	ımption 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	<u> </u>		
	·	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	ne			
	•	min	V	250
		max	V	500
DC operating voltage		max	•	
20 operating voltage	pick-up			
	Pior up	min	%Us	85 Us min
		max	%Us	110 Us max
	dron-out	IIIdX	/005	1 TO US IIIAX
	drop-out	may	0/110	≤70 Us min
Average seil carevier	tion <20°C	max	%Us	≥10 09 IIIII
Average coil consump	uiuii ≥20 G		147	100 000
		in-rush	W	160230

Max cycles frequency

Mechanical operation cycles/h 1000

Operating times

Average time for Us control

in AC

holding

W

3.5...8.0

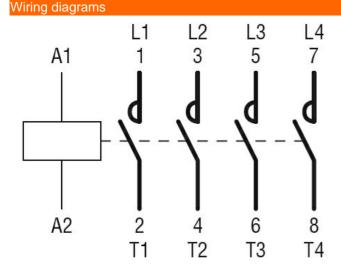
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ENERGY AND ACTOMATION						
		01 1 110				
		Closing NO				
			min	ms	80	
			max	ms	120	
		Opening NO				
			min	ms	30	
			max	ms	75	
UL technical data			max	1110	. 0	
Yielded mechanical pe	rformanco					
rielueu mechanicai pe		-1				
	for three-phase AC me	otor				
			200/208V	HP	75	
			220/230V	HP	100	
			460/480V	HP	200	
			575/600V	HP	250	
General USE						
	Contactor					
	Contactor		AC current	Α	450	
Object also its at all	f 000V		AC current	A	450	
Short-circuit protection						
	High fault					
			Short circuit current	kA	100	
			Fuse rating	Α	600	
			Fuse class		J	
	Standard fault					
	Otaliaala laak		Short circuit current	kA	18	
			Fuse rating	A	600	
				Α		
			Fuse class		RK5	
Ambient conditions						
Temperature						
	Operating temperature	9				
	Operating temperature	e	min	°C	-40	
	Operating temperature	€	min max	°C °C	-40 70	
		e				
	Operating temperature Storage temperature	e	max	°C	70	
		9	max min	°C	70 -50	
Temperature		9	max	°C °C °C	-50 80	
Temperature Max altitude	Storage temperature	9	max min	°C	70 -50	
Temperature Max altitude Resistance & Protection	Storage temperature)	max min	°C °C °C	-50 80 3000	
Max altitude Resistance & Protection Pollution degree	Storage temperature)	max min	°C °C °C	-50 80	
Temperature Max altitude Resistance & Protection	Storage temperature	9	max min	°C °C °C	-50 80 3000	
Max altitude Resistance & Protection Pollution degree Dimensions	Storage temperature	9	max min	°C °C °C m	70 -50 80 3000	
Max altitude Resistance & Protectio Pollution degree Dimensions	Storage temperature	9	max min	°C °C °C m	70 -50 80 3000	
Max altitude Resistance & Protection Pollution degree Dimensions	Storage temperature)	max min max	°C °C °C m	70 -50 80 3000	
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Max altitude Resistance & Protection Pollution degree Dimensions	Storage temperature)	max min max	°C °C °C m	70 -50 80 3000 3	
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Max altitude Resistance & Protectio Pollution degree Dimensions	Storage temperature		max min max	°C °C °C m	70 -50 80 3000 3	
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Max altitude Resistance & Protection Pollution degree Dimensions	Storage temperature)	max min max	°C °C °C m	70 -50 80 3000 3	168
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Max altitude Resistance & Protectio Pollution degree Dimensions	Storage temperature	•	max min max	°C °C °C m	70 -50 80 3000 3	168
Max altitude Resistance & Protection Pollution degree Dimensions	Storage temperature		max min max	°C °C °C m	70 -50 80 3000 3	
Max altitude Resistance & Protectio Pollution degree Dimensions	Storage temperature		max min max	°C °C °C m	70 -50 80 3000 3	168
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Max altitude Resistance & Protectio Pollution degree Dimensions	Storage temperature		max min max	°C °C °C m	70 -50 80 3000 3	168

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ENERGY AND AUTOMATION



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