

# THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 65A, AC COIL 60HZ, 120VAC



Product designation Product type designation			Power contactor BF65
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	100
Operational current le			
	AC-1 (≤40°C)	Α	100
	AC-1 (≤55°C)	Α	80
	AC-1 (≤70°C)	Α	70
	AC-3 (≤440V ≤55°C)	Α	65
	AC-4 (400V)	A	31
Rated operational power AC-3 (T≤55°C)			
	230V	kW	18.5
	400V	kW	30
	415V	kW	37
	440V	kW	37
	500V	kW	37
	690V	kW	45
Deleder as 15 and 2000 (T44000)	1000V	kW	30
Rated operational power AC-1 (T≤40°C)	0001/	1.347	00
	230V	kW	38
	400V	kW	65
	500V	kW	82
IFC may current to in DC1 with L/D < 1 mg with 1 notes in series	690V	kW	114
IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series	<241/	۸	E0
	≤24V 48V	A	50
	75V	A A	50 50
	110V	A	8
	220V	A	_
IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series	220 V		
120 max current le in DOT with ETC 2 mis with 2 poles in series	≤24V	Α	70
	48V	A	70
	75V	A	70
	110V	A	60
	220V	A	9
IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series			
The state of the s	≤24V	Α	70
	48V	Α	70
	75V	Α	70
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	110V	Α	60
	220V	Α	90
IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series			
	≤24V	Α	70
	48V	Α	70
	75V	Α	70
	110V	Α	70
	220V	Α	110
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 1 poles in series			
	≤24V	Α	35
	48V	Α	25
	75V	Α	25
	110V	Α	3
	220V	Α	
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 2 poles in series			
	≤24V	Α	45
	48V	Α	40
	75V	A	40
	110V	A	30
150 H. I. DOO DOE 111 L/D 4.45 111 0 1 1 1	220V	Α	5
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series	-0.43 <i>t</i>		
	≤24V	A	55
	48V	A	50
	75V	A	50
	110V 220V	A A	35 52
IEC may current to in DC2 DC5 with L/D < 15mg with 4 pales in series	2200	A	52
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 4 poles in series	<24)/	٨	60
	≤24V 48V	A A	60 60
	75V	A	60
	110V	A	50
	220V	A	65
Short-time allowable current for 10s (IEC/EN60947-1)	220 V	A	640
Protection fuse			0.10
1 Total and Trade	gG (IEC)	Α	125
	aM (IEC)	Α	80
Making capacity (RMS value)	aivi (ILO)	A	650
Breaking capacity at voltage			
Distanting supusity at voltage	440V	Α	520
	500V	Α	425
	690V	Α	376
Resistance per pole (average value)		mΩ	0.8
Power dissipation per pole (average value)			
	Ith	W	8
	AC3	W	3.4
Tightening torque for terminals	,		<u> </u>
υ υ την το το <del>του</del>	min	Nm	4
	max	Nm	5
	min	lbin	2.95
	max	Ibin	3.69
Tightening torque for coil terminal		•	
	min	Nm	0.8
	max	Nm	1



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min	lhft	0.8
		0.74
Пах		2
min	mm²	1.5
max	mm²	35
min	mm²	1.5
max	mm²	35
		IP20 front
		Vertical plan
allowable		±30°
		Screw / DIN rail
	~	35mm 1020
	g	1020
	cycles	15000000
		1400000
	Cycles	1400000
rated load	cycles	1400000
	-	1500000
moonamoan load	0,0.00	yes
		yes
	V	120
min	%Us	80
111111	,	00
max	%Us	110
	%Us	110
	%Us %Us	110 20
max	%Us	110
max min	%Us %Us	110 20
max min max	%Us %Us %Us	110 20 55
max min max in-rush	%Us %Us %Us VA	110 20 55 210
max min max	%Us %Us %Us	110 20 55
max min max in-rush holding	%Us %Us %Us VA VA	110 20 55 210 15
max min max in-rush holding in-rush	%Us %Us %Us VA VA	110 20 55 210 15
max min max in-rush holding	%Us %Us %Us VA VA	110 20 55 210 15
max min max in-rush holding in-rush holding	%Us %Us %Us VA VA	110 20 55 210 15 195 13
max min max in-rush holding in-rush holding in-rush	%Us %Us %Us VA VA VA VA VA	110 20 55 210 15 195 13
max min max in-rush holding in-rush holding	%Us %Us %Us VA VA VA VA VA	110 20 55 210 15 195 13 210 15
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max min max in-rush holding in-rush holding in-rush	%Us %Us %Us VA	110 20 55 210 15 195 13 210 15 5
max min max in-rush holding in-rush holding in-rush	%Us %Us %Us VA VA VA VA VA	110 20 55 210 15 195 13 210 15 5
	max min	max Ibft nr.  min mm² max mm² min mm² max mm²  min mm² max mm²  normal allowable  g cycles cycles cycles cycles v

in AC





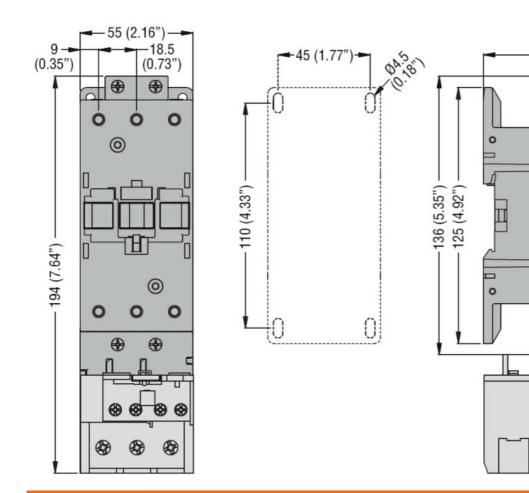
### THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 65A, AC COIL 60HZ,

		Closing NO			
		Olosing 140	min	ms	12
			max	ms	28
		Opening NO	max	1113	20
		opolinig i to	min	ms	8
			max	ms	22
	in DC				_
		Closing NO			
		-	min	ms	40
			max	ms	85
		Opening NO			
			min	ms	20
			max	ms	55
UL technical data					
Full-load current (FLA	A) for three-phase A	C motor			
			at 480V	Α	65
			at 600V	Α	62
Yielded mechanical p	erformance				
	for three-phase	AC motor			
			200/208V	HP	20
			220/230V	HP	25
			460/480V	HP	50
			575/600V	HP	60
General USE					_
	Contactor				
			AC current	Α	100
Short-circuit protection	n fuse, 600V				
	High fault				
			Short circuit current	kA	100
			Fuse rating	Α	200
			Fuse class		J
	Standard fault			_	
			Short circuit current	kA	10
			Fuse rating	Α	200
			Fuse class		RK5
Ambient conditions					
Temperature					
	Operating temper	erature			
			min	°C	-50
			max	°C	70
	Storage tempera	ature			
			min	°C	-60
			max	°C	80
Max altitude				m	3000
Resistance & Protect	ion				
Pollution degree					3
Dimensions					

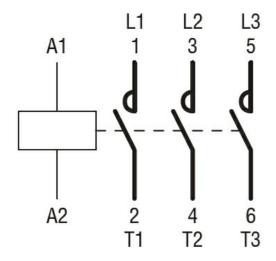
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**ENERGY AND AUTOMATION** 



#### Wiring diagrams



#### Certifications and compliance

#### Compliance

CSA C22.2 n° 60947-1

CSA C22.2 n° 60947-4-1

IEC/EN 60947-1

IEC/EN 60947-4-1

UL 60947-1

UL 60947-4-1

#### Certificates

CCC



#### BF6500A12060

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cULus

ETIM classification

ETIM 8.0

EC000066 -Power contactor, AC switching