

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



			10 10 10
Product designation			Power contactor
Product type designation			BF65
Contact characteristics			2. 00
Number of poles		Nr.	3
Rated insulation voltage Ui IEC/EN		V	1000
Rated impulse withstand voltage Uimp		kV	8
Operational frequency			
-1	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)	Α	31
Rated operational power AC-3 (T≤55°C)	710 1 (1001)		<u> </u>
Trailed operational power 718 8 (1-55 8)	230V	kW	18.5
	400V	kW	30
	415V	kW	37
	440V	kW	37
	500V	kW	37
	690V	kW	45
	1000V	kW	30
Rated operational current AC-3 (T≤55°C)	10001		
ration operational currently to a (1-00 c)	230V	Α	65
	400V	A	65
	415V	A	65
	440V	A	65
	500V	A	53
	690V	A	47
	1000V	A	25
Rated operational power AC-1 (T≤40°C)	1000 V		20
Nated operational power AO-1 (1340 O)	230V	kW	38
	400V	kW	65
	500V	kW	82
	690V	kW	114
IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series	090 V	KVV	114
	≤24V	٨	50
	≤24V 48V	A A	50
	46 V 75 V		
		A	50
	110V	A	8
IEC may current to in DC1 with L/B < 1mg with 2 pales in series	220V	Α	_
IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series	-24/	Λ	70
	≤24V	Α	70





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	48V	Α	70
	75V	Α	70
	110V	Α	60
	220V	A	9
IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series	220 V		
TEC max current le in DCT with L/N = This with 5 poles in series	<04)/	^	70
	≤24V	A	70
	48V	Α	70
	75V	Α	70
	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	A	70
	110V	A	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	2201	- , ,	
TEO THAN GUITORE TO HE DOO DOO WILL E/TY = TOTHO WILL 2 POICE IT SOLLED	≤24V	Α	45
	48V	Α	40
	75V	Α	40
	110V	Α	30
	220V	Α	5
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series			
	≤24V	Α	55
	48V	Α	50
	75V	Α	50
	110V	Α	35
	220V	A	52
IFC many assument to in DC2 DC5 with 1/D < 45mm with 4 males in posice	220 V	Α	32
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 4 poles in series	40 AV /		00
	≤24V	Α	60
	48V	Α	60
	75V	Α	60
	110V	Α	50
	220V	Α	65
Short-time allowable current for 10s (IEC/EN60947-1)		Α	640
Protection fuse			
	gG (IEC)	Α	125
	aM (IEC)	A	80
Making capacity (RMS value)	aivi (ILO)	A	650
			000
Breaking capacity at voltage	4.401.4	Δ.	F00
	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
	AC-3	W	3.4
Tightening torque for terminals			





THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 65A, AC COIL 60HZ, 24VAC

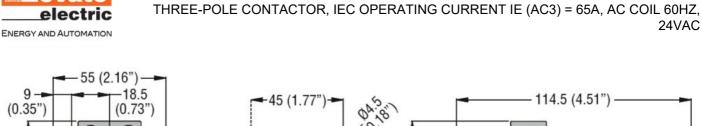
		min	Nm	4
		max	Nm	5
		min	Ibin	2.95
		max	Ibin	3.69
Tightening torque for o	coil terminal	_		
		min	Nm	0.8
		max	Nm	1
		min	Ibin	0.8
		max	Ibin	0.74
	simultaneously connectable		Nr.	2
Conductor section				
	AWG/Kcmil			
		max		2
	Flexible w/o lug conductor section			
		min	mm²	1.5
		max	mm²	35
	Flexible c/w lug conductor section			
		min	mm²	1.5
		max	mm²	35
	ction according to IEC/EN 60529			IP20 front
Mechanical features				
Operating position				
		normal		Vertical plan
		allowable		±30°
ixing				Screw / DIN rail 35mm
Weight			g	1020
Conductor section				
	AWG/kcmil conductor section			
		max		2
Operations				
Mechanical life			cycles	15000000
Electrical life			_	
			cycles	1400000
Safety related data			cycles	1400000
	l0d according to EN/ISO 13489-1		cycles	1400000
	0d according to EN/ISO 13489-1	rated load	cycles	1400000
	0d according to EN/ISO 13489-1	rated load mechanical load		
Performance level B1			cycles	1400000 15000000
Performance level B1 Mirror contats accordi EMC compatibility	I 0d according to EN/ISO 13489-1 ing to IEC/EN 609474-4-1		cycles	1400000
Performance level B1 Mirror contats accordi EMC compatibility AC coil operating	ing to IEC/EN 609474-4-1		cycles cycles	1400000 15000000 yes yes
Performance level B1 Mirror contats accordi EMC compatibility AC coil operating Rated AC voltage at 6	ing to IEC/EN 609474-4-1		cycles	1400000 15000000 yes
Performance level B1 Mirror contats accordi EMC compatibility AC coil operating Rated AC voltage at 6	ing to IEC/EN 609474-4-1		cycles cycles	1400000 15000000 yes yes
Performance level B1 Mirror contats accordi EMC compatibility AC coil operating Rated AC voltage at 6	ing to IEC/EN 609474-4-1 60Hz of 60Hz coil powered at 60Hz		cycles cycles	1400000 15000000 yes yes
Performance level B1 Mirror contats accordide EMC compatibility AC coil operating Rated AC voltage at 6	ing to IEC/EN 609474-4-1	mechanical load	cycles cycles	1400000 15000000 yes yes
Performance level B1 Mirror contats accordi EMC compatibility AC coil operating Rated AC voltage at 6	ing to IEC/EN 609474-4-1 60Hz of 60Hz coil powered at 60Hz	mechanical load	cycles cycles V	1400000 15000000 yes yes 24
Performance level B1 Mirror contats accordi EMC compatibility AC coil operating Rated AC voltage at 6	ing to IEC/EN 609474-4-1 60Hz of 60Hz coil powered at 60Hz pick-up	mechanical load	cycles cycles	1400000 15000000 yes yes
Performance level B1 Mirror contats accordi EMC compatibility AC coil operating Rated AC voltage at 6	ing to IEC/EN 609474-4-1 60Hz of 60Hz coil powered at 60Hz	mechanical load min max	cycles cycles V	1400000 15000000 yes yes 24
Performance level B1 Mirror contats accordide EMC compatibility AC coil operating Rated AC voltage at 6	ing to IEC/EN 609474-4-1 60Hz of 60Hz coil powered at 60Hz pick-up	mechanical load min max min	cycles cycles V WUs %Us %Us	1400000 15000000 yes yes 24 80 110
Performance level B1 Mirror contats accordi EMC compatibility AC coil operating Rated AC voltage at 6 AC operating voltage	of 60Hz coil powered at 60Hz pick-up	mechanical load min max	cycles cycles V	1400000 15000000 yes yes 24
Performance level B1 Mirror contats accordi EMC compatibility AC coil operating Rated AC voltage at 6 AC operating voltage	of 60Hz coil powered at 60Hz pick-up drop-out	mechanical load min max min	cycles cycles V WUs %Us %Us	1400000 15000000 yes yes 24 80 110
	of 60Hz coil powered at 60Hz pick-up	mechanical load min max min max	cycles cycles V %Us %Us %Us %Us	1400000 15000000 yes yes 24 80 110 20 55
Performance level B1 Mirror contats accordi EMC compatibility AC coil operating Rated AC voltage at 6 AC operating voltage	of 60Hz coil powered at 60Hz pick-up drop-out	mechanical load min max min	cycles cycles V WUs %Us %Us	1400000 15000000 yes yes 24 80 110

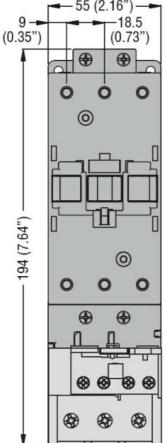


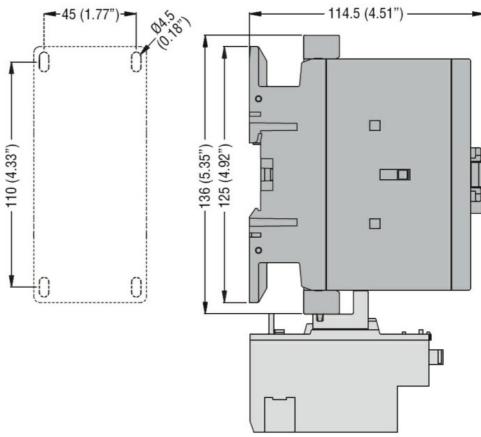
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Dissipation at holding				W	5
Max cycles frequency					
Mechanical operation				cycles/h	3600
Operating times					
Average time for Us of					
	in AC	Closing NO			
		Closing NO	min	ms	12
			max	ms	28
		Opening NO	max	1110	20
		opolinig 110	min	ms	8
			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) tor three-phase A	C motor		_	
			at 480V	A	65
V'alla Lavada d'ada			at 600V	Α	62
Yielded mechanical p		۸ ۰ ۰ ۰ ۰ ۰ ۰ ۰ ۰ ۰ ۰ ۰ ۰ ۰ ۰ ۰ ۰ ۰ ۰ ۰			
	for three-phase A	AC motor	200/2001	UD	20
			200/208V 220/230V	HP HP	20 25
			460/480V	HP	50
			575/600V	HP	60
General USE			010/000 V		00
Conoral COL	Contactor				
	00.114010.		AC current	Α	100
Short-circuit protectio	n fuse, 600V				
•	High fault				
	Ū		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	0				
	Operating tempe	rature		۰.	50
			min	°C	-50 70
	Storogo tompera	turo	max	<u> </u>	70
	Storage tempera	iture	min	°C	-60
			min	°C	-60 80
Max altitude			max		3000
Resistance & Protect	ion			m	3000
Pollution degree	ion —				3
					5

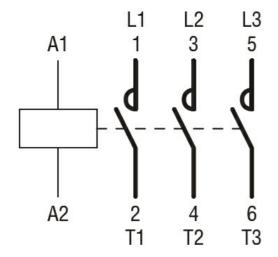








Wiring diagrams



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

CCC



BF6500A02460

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cULus

ETIM classification

ETIM 8.0

EC000066 -Power contactor, AC switching