THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 115A, AC COIL 50/60HZ, 400VAC



Product designation Power contactor Product type designation BF115

Product type designation			BF115
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	160
Operational current le			_
	AC-1 (≤40°C)	Α	160
	AC-1 (≤55°C)	Α	130
	AC-1 (≤70°C)	Α	115
	AC-3 (≤440V ≤55°C)	Α	115
	AC-4 (400V)	Α	54
Rated operational power AC-3 (T≤55°C)			
	230V	kW	37
	400V	kW	55
	415V	kW	55
	440V	kW	55
	500V	kW	75
	690V	kW	110
	1000V	kW	55
IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series			_
	≤24V	Α	160
	48V	Α	160
	75V	Α	120
	110V	Α	10
	220V	Α	_
IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series			
	≤24V	Α	160
	48V	Α	160
	75V	Α	160
	110V	Α	130
	220V	Α	14
IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series			
	≤24V	Α	160
	48V	Α	160
	75V	Α	160
	110V	Α	140
	220V	Α	145
IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series			
	≤24V	Α	160
	48V	Α	160



BF11500A400

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	75V	Α	160
	110V	Α	160
	220V	Α	160
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 1 poles in series			
	≤24V	Α	160
	48V	Α	50
	75V	Α	40
	110V	A	6
150 H. J. DOO DOE 111 L/D 445 111 O. L. J. J.	220V	Α	
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 2 poles in series	-0.1V		400
	≤24V	A	160
	48V	A	72
	75V	A	65
	110V	A	65
IFC many assert to in DC2 DC5 with L/D < 45 may with 2 males in agrica	220V	A	7
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series	~241 /	۸	100
	≤24V 48V	A	160 150
	48 V 75 V	A	150 100
	75 V 110 V	A A	100
	220V	A	92
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 4 poles in series	220 V		92
TEC max current le in DC3-DC3 with L/K = 13ms with 4 poles in series	≤24V	Α	160
	48V	A	120
	75V	A	120
	110V	A	125
	220V	A	115
Short-time allowable current for 10s (IEC/EN60947-1)	220 0	A	920
Protection fuse			
	gG (IEC)	Α	200
	aM (IEC)	Α	125
Making capacity (RMS value)	()	Α	1500
Breaking capacity at voltage			
	440V	Α	1200
	500V	Α	850
	690V	Α	905
Resistance per pole (average value)		mΩ	0.45
Power dissipation per pole (average value)			,
	Ith	W	11.5
	AC3	W	6.0
Tightening torque for terminals			
	min	Nm	6
	max	Nm	7
	min	Ibin	53
	max	lbin	62
Tightening torque for coil terminal			
	min	Nm	0.8
	max	Nm	1
	min	lbin	0.59
	max	Ibin	0.74
Conductor section			
AWG/Kcmil			
	max		2/0





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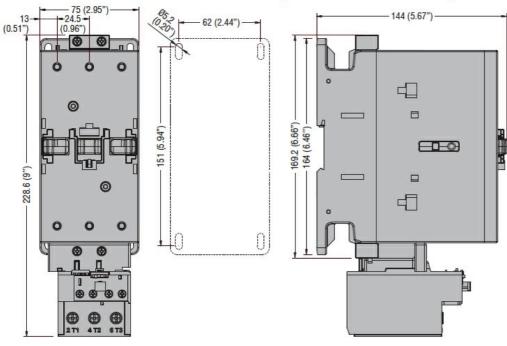
	Flexible w/o lug conductor section	min	mm²	1 E
		min	mm² mm²	1.5 70
	Flexible c/w lug conductor section	max	111111	70
	Flexible C/W lug colludciol Section	min	mm²	1.5
		max	mm²	70
Power terminal protec	ction according to IEC/EN 60529	IIIax	111111	IP20 front
Mechanical features	ction according to IEC/EN 00329			IF 20 HOIR
Operating position				
operating position		normal		Vertical plan
		allowable		±30°
		allowable		Screw / DIN rail
ixing				35mm
Veight			g	2020
Conductor section			<u> </u>	2020
Jonadolor Godilori	AWG/kcmil conductor section			
	7 TVV C/TOTTIII COTTAGOLOT GGOLOTT	max		2/0
Operations		Пах		2, 0
Mechanical life			cycles	15000000
Electrical life			cycles	1200000
C coil operating			oy oloo	1200000
Rated AC voltage at 5	50/60Hz		V	400
C operating voltage	75750112		•	
to operating remage	of 50/60Hz coil powered at 50Hz			
	pick-up			
	pion ap	min	%Us	80
		max	%Us	110
	drop-out	max	7000	110
	diop out	min	%Us	20
		max	%Us	55
	of 50/60Hz coil powered at 60Hz		,,,,,	
	pick-up			
	1 3 3	min	%Us	85
		max	%Us	110
	drop-out			
	'	min	%Us	40
		max	%Us	55
C average coil cons	umption at 20°C			
· ·	of 50/60Hz coil powered at 50Hz			
	·	in-rush	VA	300
		holding	VA	20
	of 50/60Hz coil powered at 60Hz	<u> </u>		
	•	in-rush	VA	275
		holding	VA	17
	of 60Hz coil powered at 60Hz	<u> </u>		
		in-rush	VA	300
		holding	VA	20
Max cycles frequency				
Mechanical operation			cycles/h	1500
Operating times				
Average time for Us of	control			
	in AC			
	Closing NO			
		min	ms	16



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	Opening NO	max	ms	32
		min	ms	9
		max	ms	24
UL technical data		max	1110	21
Yielded mechanical performan	ce			
•	ee-phase AC motor			
10	prided / to motor	200/208V	HP	40
		220/230V	HP	40
		460/480V	HP	75
		575/600V	HP	100
General USE				
Contac	etor			
		AC current	Α	165
Short-circuit protection fuse, 60	00V			
High fa				
3		Short circuit current	kA	100
		Fuse rating	Α	200
		Fuse class		J
Standa	ard fault			
		Short circuit current	kA	10
		Fuse rating	Α	250
		Fuse class		RK5
Ambient conditions				
Temperature				
Opera	ting temperature			
		min	°C	-50
		max	°C	70
Storag	e temperature			
_		min	°C	-60
		max	°C	+80
Max altitude			m	3000

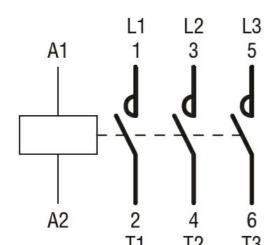
Dimensions



Wiring diagrams

ENERGY AND AUTOMATION

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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

cULus

ETIM classification

ETIM 8.0

EC000066 -Power contactor, AC switching