



Product designation Product type designation			Power contactor BF115
Contact characteristics			DETIO
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		А	160
Operational current le			
	AC-1 (≤40°C)	А	160
	AC-1 (≤55°C)	А	130
	AC-1 (≤70°C)	А	115
	AC-3 (≤440V ≤55°C)	А	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
Rated operational current AC-3 (T≤55°C)			
	230V	A	115
	400V	Α	115
	415V	Α	115
	440V	Α	115
	500V	A	106
	690V	A	106
	1000V	A	39
IEC max current le in DC1 with $L/R \le 1$ ms with 1 poles in series	-0.01		400
	≤24V	A	160
	48V	A	160
	75V	A	120
	110V	A	10
	220V	A	_
IEC max current le in DC1 with $L/R \le 1$ ms with 2 poles in series	-0.0.1	^	100
	≤24V	A	160
	48V	A	160
	75V	A	160
	110V	A	130
	220V	A	14

IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series



BF11500A04860 THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 115A, AC COIL 60HZ, 48VAC

	≤24V	А	160
	48V	А	160
	75V	А	160
	110V	А	140
	220V	A	145
IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series			
	≤24V	А	160
	48V	A	160
	75V	A	160
	110V	A	160
	220V	A	160
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 1 poles in series			
	≤24V	А	160
	48V	A	50
	75V	A	40
	110V	A	6
	220V	A	0 _
IEC max current le in DC3-DC5 with L/R \leq 15ms with 2 poles in series	220 V	A	—
The current is in DC3-DC5 with $L/R \leq 15$ ms with 2 poiss in series	<2417	٨	100
	≤24V	A	160
	48V	A	72
	75V	A	65
	110V	A	65
	220V	A	7
IEC max current le in DC3-DC5 with L/R \leq 15ms with 3 poles in series			
	≤24V	А	160
	48V	А	150
	75V	А	100
	110V	А	100
	220V	Α	92
IEC max current le in DC3-DC5 with $L/R \le 15$ ms with 4 poles in series			
	≤24V	А	160
	48V	А	120
	75V	А	120
	110V	А	125
	220V	А	115
Short-time allowable current for 10s (IEC/EN60947-1)		А	920
Protection fuse			
	gG (IEC)	А	200
	aM (IEC)	A	125
Making capacity (RMS value)		A	1500
Breaking capacity at voltage			1000
Droating opporty at rollago	440V	А	1200
	500V	A	850
	690V	A	905
Resistance per pole (average value)	030 v	 mΩ	0.45
		11122	0.40
Power dissipation per pole (average value)	141-	14/	11 E
	lth	W	11.5
T ' - 1 (AC-3	W	6.0
Tightening torque for terminals	<u>.</u>		
	min	Nm	6
	max	Nm	7
	min	lbin	4.4
	max	lbin	5.2



Fixing

Weight

BF11500A04860 THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 115A, AC COIL 60HZ,

48VAC Tightening torque for coil terminal Nm 0.8 min max Nm 1 min lbin 0.59 0.74 lbin max Conductor section AWG/Kcmil 2/0 max Flexible w/o lug conductor section mm² 1.5 min max mm² 70 Flexible c/w lug conductor section mm² 1.5 min mm² 70 max Power terminal protection according to IEC/EN 60529 IP20 front Mechanical features Operating position Vertical plan normal ±30° allowable Screw / DIN rail 35mm 2020 g Conductor section AWG/kcmil conductor section 2/0 max Operations Mechanical life 15000000 cycles Electrical life 1200000 cycles AC coil operating Rated AC voltage at 60Hz V 48 AC operating voltage of 50/60Hz coil powered at 50Hz drop-out %Us 55 max of 60Hz coil powered at 60Hz pick-up %Us 80 min %Us 110 max drop-out %Us 20 min max %Us 55

AC average coil consumption at 20°C

of 60Hz coil powered at 60Hz

		in-rush	VA	300
		holding	VA	20
Max cycles frequency				
Mechanical operation			cycles/h	1500
Operating times				
Average time for Us control				
in AC				
	Closing NO			
		min	ms	16
		max	ms	32
	Opening NO			

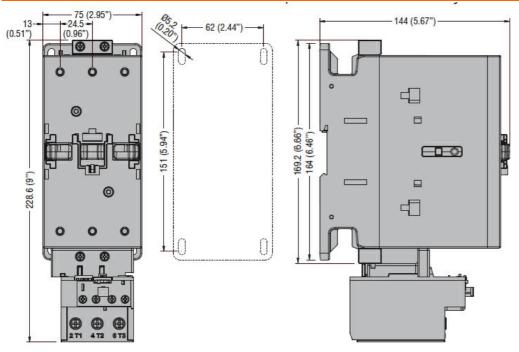
BF11500A04860 The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding

BF11500A04860



THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 115A, AC COIL 60HZ, 48VAC

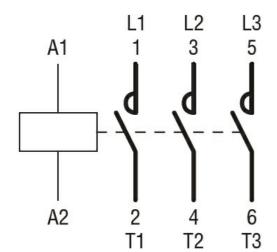
		min	ms	9
		max	ms	9 24
UL technical data		IIIdX	1115	24
Yielded mechanical	norformanco			
nelueu mechanicai	for three-phase AC motor			
	tor three-phase AC motor	200/208V	HP	40
		200/208V 220/230V	HP	
				40
		460/480V	HP	75
0		575/600V	HP	100
General USE				
	Contactor			
		AC current	A	165
Short-circuit protecti				
	High fault			
		Short circuit current	kA	100
		Fuse rating	А	200
		Fuse class		J
	Standard fault			
		Short circuit current	kA	10
		Fuse rating	А	250
		Fuse class		RK5
Ambient conditions				
Temperature				
·	Operating temperature			
		min	°C	-50
		max	°C	70
	Storage temperature			
	5 1	min	°C	-60
		max	°Č	+80
Max altitude			m	3000
Dimensions				
		,		



Wiring diagrams



BF11500A04860 THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 115A, AC COIL 60HZ, 48VAC



Certifications and compliance

o or ano and oo	
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