

THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 115A, AC COIL 60HZ, 230VAC



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)	A	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
D. I. J. (1. J. A.O.O. (T. (5500))	1000V	kW	55
Rated operational current AC-3 (T≤55°C)		_	
	230V	Α	115
	400V	Α	115
	415V	A	115
	440V	A	115
	500V	A	106
	690V	A	106
IFC may assemble in DC4 with L/D < 4 me with 4 males in series	1000V	Α	39
IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series	204) /	Δ.	400
	≤24V	A	160
	48V	A	160
	75V	A	120
	110V	A	10
IFC may current to in DC1 with L/D < 1 mg with 2 malos in agrica	220V	A	
IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series	-24/	٨	160
	≤24V 48V	A	160
	48 V 75 V	A	160 160
	75V 110V	A	160
	220V	A ^	130 14
IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series	2200	Α	14
TO THE A COLLECTION OF THE WHILL A PROPERTY OF THE SELECTION OF THE SELECT			

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



THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 115A, AC COIL 60HZ, 230VAC

	≤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
	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
	220V	A	_
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 2 poles in series	220 V		
TEO MAX GAMERICIE III DOO-DOO WILLI E/IV = TOMB WILLI Z POIES III SELIES	≤24V	Α	160
	≥24V 48V	A	72
	75V	A	65
	110V		
		A	65
IFO was a summand to im DOO DOF with 1/D < 45 as with 0 males in a mine	220V	A	7
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series	40.4V.4		100
	≤24V	Α	160
	48V	Α	150
	75V	Α	100
	110V	Α	100
	220V	Α	92
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 4 poles in series			
	≤24V	Α	160
	48V	Α	120
	75V	Α	120
	110V	Α	125
	220V	Α	115
Short-time allowable current for 10s (IEC/EN60947-1)		Α	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)			
1 1 (**********************************	lth	W	11.5
	AC-3	W	6.0
Tightening torque for terminals		••	
gg torque for terrimidio	min	Nm	6
	max	Nm	7
	min	lbin	4.4
		lbin	5.2
	max	וווטו	J.Z



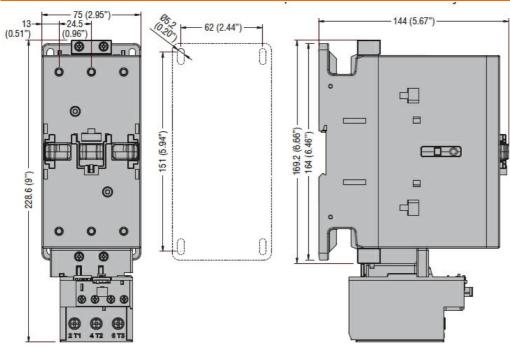
THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 115A, AC COIL 60HZ,

Tightening torque for c	coil terminal			
riginoming torque for C	on onlina	min	Nm	0.8
		max	Nm	1
		min	Ibin	0.59
		max	lbin	0.74
Conductor section				
	AWG/Kcmil			
		max		2/0
	Flexible w/o lug conductor section			
		min	mm²	1.5
		max	mm²	70
	Flexible c/w lug conductor section			
		min	mm²	1.5
		max	mm²	70
•	tion according to IEC/EN 60529			IP20 front
Mechanical features				
Operating position				
		normal		Vertical plan
		allowable		±30°
Fixing				Screw / DIN rail 35mm
Weight			g	2020
Conductor section				
	AWG/kcmil conductor section			
		max		2/0
Operations				
Mechanical life			cycles	15000000
Electrical life			cycles	1200000
AC coil operating				
Rated AC voltage at 60	0Hz		V	230
AC operating voltage				
	of 50/60Hz coil powered at 50Hz			
	drop-out			
		max	%Us	55
	of 60Hz coil powered at 60Hz			
	pick-up			
		min	%Us	80
		max	%Us	110
	drop-out		0	
		min	%Us	20
		max	%Us	55
AC average coil consu				
	of 60Hz coil powered at 60Hz		1/4	200
		in-rush	VA	300
Max avalas francis		holding	VA	20
Max cycles frequency			0.40 00/	1500
Mechanical operation			cycles/h	1000
Operating times	ontrol			
Average time for Us co				
	in AC			
	Closing NO		,	4.0
		min	ms	16
			,	22
	Opening NO	max	ms	32

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

		min max	ms ms	9 24
UL technical data		Illax	1115	24
Yielded mechanical pe	rformance			
ricided friceriarilear pe	for three-phase AC motor			
	for times pridde the motor	200/208V	HP	40
		220/230V	HP	40
		460/480V	HP	75
		575/600V	HP	100
General USE		373/0007	111	100
Contrai COL	Contactor			
	Contactor	AC current	Α	165
Short-circuit protection	fuse 600V	//O durrent		100
Orion official protection	High fault			
	riigiriaait	Short circuit current	kA	100
		Fuse rating	A	200
		Fuse class		J
	Standard fault	1 430 01433		
	Standard radic	Short circuit current	kA	10
		Fuse rating	A	250
		Fuse class	, ,	RK5
Ambient conditions		1 400 01433		1110
Temperature				
. oporataro	Operating temperature			
	oporating temperature	min	°C	-50
		max	°C	70
	Storage temperature	max		
	Clorago tomporataro	min	°C	-60
		max	°C	+80
Max altitude		max	 	3000
Dimensions				5550

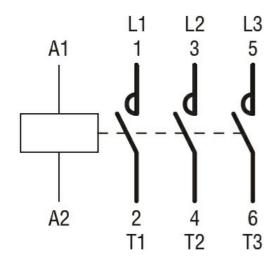
Dimensions



Wiring diagrams

ENERGY AND AUTOMATION

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



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