

THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 115A, AC COIL 60HZ, 220VAC



Product designation Power contactor Product type designation BF115

1 roudet type designation			DI 110
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
Rated operational current AC-3 (T≤55°C)			
	230V	Α	115
	400V	Α	115
	415V	Α	115
	440V	Α	115
	500V	Α	106
	690V	Α	106
	1000V	Α	39
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			

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, 220VAC

	≤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 summer to be DOO DOO 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



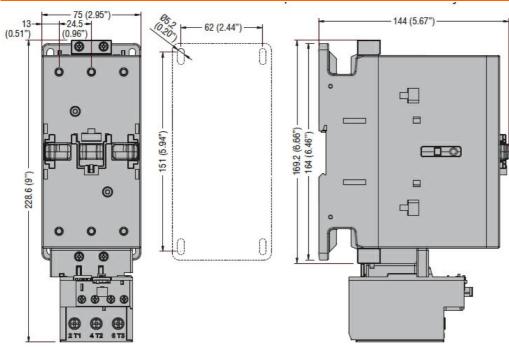
THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 115A, AC COIL 60HZ,

Tightening torque for o	coil terminal			
riginioning torquo for t		min	Nm	0.8
		max	Nm	1
		min	Ibin	0.59
		max	Ibin	0.74
Conductor section				
	AWG/Kcmil			
	7.000	max		2/0
	Flexible w/o lug conductor section	max		2/0
	r lexible we lag conductor section	min	mm²	1.5
		max	mm²	70
	Flevible a/w lug conductor acction	IIIdx	1111111	70
	Flexible c/w lug conductor section			4 5
		min	mm²	1.5
		max	mm²	70
	ction according to IEC/EN 60529			IP20 front
Mechanical features				
Operating position				Manthautul
		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 6	0Hz		V	220
AC operating voltage				
	of 50/60Hz coil powered at 50Hz			
	drop-out			
	- 1		%Us	
	(0011 11 1 1 2011	max		55
	of 60Hz coil nowered at 60Hz	max	/005	55
	of 60Hz coil powered at 60Hz	max	/605	55
	of 60Hz coil powered at 60Hz pick-up			
	·	min	%Us	80
	pick-up			
	·	min max	%Us %Us	80 110
	pick-up	min max min	%Us %Us %Us	80 110 20
AC 2007277 2 7	pick-up drop-out	min max	%Us %Us	80 110
AC average coil consu	pick-up drop-out umption at 20°C	min max min	%Us %Us %Us	80 110 20
AC average coil consu	pick-up drop-out	min max min max	%Us %Us %Us %Us	80 110 20 55
AC average coil consu	pick-up drop-out umption at 20°C	min max min max in-rush	%Us %Us %Us %Us	80 110 20 55
	pick-up drop-out umption at 20°C of 60Hz coil powered at 60Hz	min max min max	%Us %Us %Us %Us	80 110 20 55
Max cycles frequency	pick-up drop-out umption at 20°C of 60Hz coil powered at 60Hz	min max min max in-rush	%Us %Us %Us %Us VA	80 110 20 55 300 20
Max cycles frequency Mechanical operation	pick-up drop-out umption at 20°C of 60Hz coil powered at 60Hz	min max min max in-rush	%Us %Us %Us %Us	80 110 20 55 300 20
Max cycles frequency Mechanical operation Operating times	pick-up drop-out umption at 20°C of 60Hz coil powered at 60Hz	min max min max in-rush	%Us %Us %Us %Us VA	80 110 20 55 300 20
Max cycles frequency Mechanical operation	pick-up drop-out umption at 20°C of 60Hz coil powered at 60Hz ontrol	min max min max in-rush	%Us %Us %Us %Us VA	80 110 20 55 300 20
Max cycles frequency Mechanical operation Operating times	pick-up drop-out umption at 20°C of 60Hz coil powered at 60Hz	min max min max in-rush	%Us %Us %Us %Us VA	80 110 20 55 300 20
Max cycles frequency Mechanical operation Operating times	pick-up drop-out umption at 20°C of 60Hz coil powered at 60Hz ontrol	min max min max in-rush	%Us %Us %Us %Us VA	80 110 20 55 300 20
Mechanical operation Operating times	pick-up drop-out umption at 20°C of 60Hz coil powered at 60Hz ontrol in AC	min max min max in-rush	%Us %Us %Us %Us VA	80 110 20 55 300 20
Max cycles frequency Mechanical operation Operating times	pick-up drop-out umption at 20°C of 60Hz coil powered at 60Hz ontrol in AC	min max min max in-rush holding	%Us %Us %Us %Us VA VA	80 110 20 55 300 20
Max cycles frequency Mechanical operation Operating times	pick-up drop-out umption at 20°C of 60Hz coil powered at 60Hz ontrol in AC	min max min max in-rush holding	%Us %Us %Us %Us VA VA	80 110 20 55 300 20 1500

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				3300

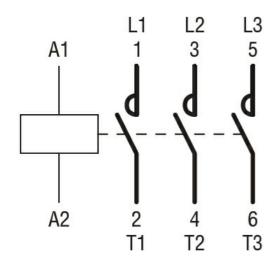
Dimensions



Wiring diagrams

ENERGY AND AUTOMATION

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



O 1100 1			
Certificat	ione and	comr	MIGNES
Cennicai	טווס מווטו		шансе

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