

THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 110A, AC/DC COIL,



Product designation Product type designation			Power contactor B115
Contact characteristics			BITO
Number of poles		Nr.	3
Rated insulation voltage Ui IEC/EN		V	1000
Rated impulse withstand voltage Uimp		kV	8
Operational frequency			
operational nequency	min	Hz	25
	max	Hz	400
IEC Conventional free air thermal current Ith	max	A	160
Operational current le			100
Operational current le	AC-1 (≤40°C)	Α	160
	AC-1 (≤40 C) AC-1 (≤55°C)	A	150
	AC-1 (≤70°C)	A	110
	AC-3 (≤440V ≤55°C)	A	110
	AC-4 (400V)	Α	47
Rated operational power AC-3 (T≤55°C)			
	400V	kW	61
Rated operational power AC-1 (T≤40°C)			
	230V	kW	57
	400V	kW	98
	500V	kW	129
	690V	kW	173
IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series			
	75V	Α	160
	110V	Α	100
	220V	Α	_
	330V	Α	_
	460V	Α	_
IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series			
'	75V	Α	160
	110V	Α	130
	220V	Α	100
	330V	Α	_
	460V	Α	_
IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series			
TEO THAN OUT ON TOO I WILL DIT 2 THIS WILL O POICS III SCHES	75V	Α	160
	110V	A	130
	220V		
	330V	A	130
		A	100
IFC many asymptotic in DC4 with 1/D < 4 ms with 4 ms 1 ms	460V	A	_
IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series			400
	75V	A	160
	110V	Α	130
	220V	Α	130



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	330V	Α	130
	460V	Α	100
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 1 poles in series			
	75V	Α	140
	110V	Α	70
	220V	Α	_
	330V	A	_
	460V	A	_
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 2 poles in series	400 V		_
TEC max current le in DC3-DC3 with L/K = 15ms with 2 poles in series	75V	۸	1.10
		A	140
	110V	A	100
	220V	A	80
	330V	Α	_
	460V	Α	_
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series			
	75V	Α	140
	110V	Α	120
	220V	Α	100
	330V	Α	80
	460V	Α	_
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 4 poles in series			
	75V	Α	140
	110V	Α	120
	220V	Α	120
	330V	Α	120
	460V	A	80
Short-time allowable current for 10s (IEC/EN60947-1)	+00 V	A	1100
Protection fuse			1100
Flotection luse	aC (IEC)	۸	200
	gG (IEC)	A	200
Mallian and Company (DMO all a)	aM (IEC)	A	125
Making capacity (RMS value)		Α	1300
Breaking capacity at voltage			
	440V	Α	1300
	500V	Α	1100
	690V	Α	880
Resistance per pole (average value)		$m\Omega$	0.3
Power dissipation per pole (average value)			
	Ith	W	7.7
	AC-3	W	4
Tightening torque for terminals			
	min	Nm	10
	max	Nm	10
	min	Ibin	7.4
		lbin	7.4 7.4
May number of wires cimultaneously connectable	max		2
Max number of wires simultaneously connectable		Nr.	۷
Conductor section			
AWG/Kcmil			0.10
	max		2/0
Power terminal protection according to IEC/EN 60529			IP00
Mechanical features			
Operating position			
	normal		Vertical plan
	allowable		±30°



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Fixing				Screw
Weight			g	5320
Conductor section				
	AWG/kcmil conductor section			
		max		2/0
Operations				
Mechanical life			cycles	10000000
Electrical life			cycles	1100000
Safety related data				
Performance level B10	0d according to EN/ISO 13489-1			
		rated load	cycles	1100000
		mechanical load	cycles	10000000
	ng to IEC/EN 609474-4-1			yes
EMC compatibility				yes
AC coil operating				
Rated AC voltage at 50	0/60Hz		V	24
AC operating voltage				
	of 50/60Hz coil powered at 50Hz			
	pick-up		0/11	0.0
		min	%Us	80
	draw aut	max	%Us	110
	drop-out	min	0/116	20
		min max	%Us %Us	20 60
	of 50/60Hz coil powered at 60Hz	IIIdX	/005	00
	pick-up			
	ріск-ир	min	%Us	80
		max	%Us	110
	drop-out	Пах	7000	110
	a.op ca.	min	%Us	20
		max	%Us	60
	of 60Hz coil powered at 60Hz			
	pick-up			
	· ·	min	%Us	80
		max	%Us	110
	drop-out			
		min	%Us	20
		max	%Us	60
AC average coil consu				
	of 50/60Hz coil powered at 50Hz			
		in-rush	VA	300
		holding	VA	10
	of 50/60Hz coil powered at 60Hz	_		
		in-rush	VA	300
District Control	400°0 FOLL-	holding	VA	10
Dissipation at holding:	≤20°C 50HZ		W	10
DC coil operating			\ /	24
DC rated control voltage	y e		V	24
DC operating voltage	minte our			
	pick-up		0/11-	9.0
		min	%Us	80
	drop-out	max	%Us	110
	αιορ-οαι			

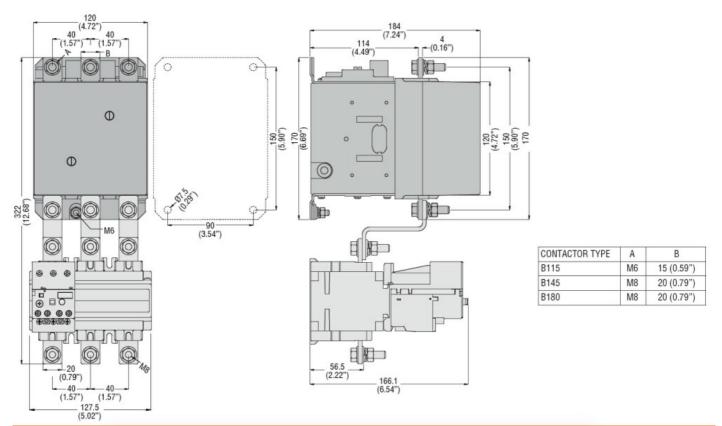


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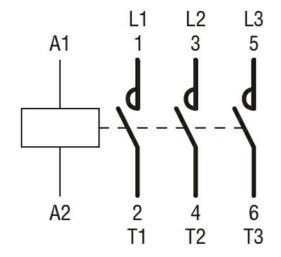
			min	%Us %Us	20 60
Average coil consum	ntion <20°C		max	/005	00
7 (Volugo con concum	011011 = 20 0		in-rush	W	300
			holding	W	10
Max cycles frequency					
Mechanical operation				cycles/h	2400
Operating times					
Average time for Us of	control in AC				
	III AC	Closing NO			
		Olosing NO	min	ms	60
			max	ms	100
		Opening NO			
			min	ms	25
			max	ms	60
	in DC				_
		Closing NO			
			min	ms	60
		Onania a NO	max	ms	100
		Opening NO	min	ma	25
			max	ms ms	25 60
UL technical data			max	1113	00
	a) for three-phase AC mo	tor			
(,		at 480V	Α	96
			at 600V	Α	99
Yielded mechanical p	erformance				
	for three-phase AC mo	otor			
			200/208V	HP	30
			220/230V	HP	40
			575/600V	HP	100
General USE	•				
	Contactor		A.C. amant	۸	100
Short-circuit protectio	n fuee 600\/		AC current	Α	160
Short-circuit protectio	Standard fault				
	Clandard fault		Short circuit current	kA	5
			Fuse rating	A	500
			Fuse class		RK5
Ambient conditions					
Temperature					
	Operating temperature)			
			min	°C	-50
			max	°C	70
	Storage temperature		<u>-</u>	2.2	00
			min	°C	-60
Marcaltitud -			max	°C	80
Max altitude	ion			m	3000
Resistance & Protecti	IOIT				3
Pollution degree Dimensions					J
DITIONSIONS -					

ENERGY AND AUTOMATION

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Wiring diagrams



Certifications and compliance

Compliance

CSA C22.2 n° 60947-1

CSA C22.2 n° 60947-4-1

IEC/EN 60947-1

IEC/EN 60947-4-1

UL 60947-1

UL 60947-4-1

Certificates

CCC

cULus

EAC

ETIM classification



11B1150024

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ETIM 8.0

EC000066 -Power contactor, AC switching