11B115L00110C110



THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 110A, AC/DC COIL, electric ALREADY FITTED WITH MECHANICAL LATCH (G495), 110...125VAC/DC, MECHANICAL LATCH 110...125VDC



Product designation			Power contactor
Product type designation			B115
Contact characteristics			
Number of poles		Nr.	3
Rated insulation voltage Ui IEC/EN		V	1000
Rated impulse withstand voltage Uimp		kV	8
		κv	0
Operational frequency			0.5
	min	Hz	25
	max	Hz	400
IEC Conventional free air thermal current Ith		Α	160
Operational current le			
	AC-1 (≤40°C)	А	160
	AC-1 (≤55°C)	А	150
	AC-1 (≤70°C)	А	110
	AC-3 (≤440V ≤55°C)	А	110
	AC-4 (400V)	А	47
Rated operational power AC-3 (T≤55°C)			
	400V	kW	61
Rated operational power AC-1 (T≤40°C)	4001		01
	2201/		67
	230V	kW	57
	400V	kW	98
	500V	kW	129
	690V	kW	173
IEC max current le in DC1 with $L/R \le 1$ ms with 1 poles in series			
	75V	А	160
	110V	А	100
	220V	А	-
	330V	А	-
	460V	А	-
IEC max current le in DC1 with $L/R \le 1$ ms with 2 poles in series			
	75V	А	160
	110V	А	130
	220V	А	100
	330V	A	_
	460V	A	_
IEC max current le in DC1 with $L/R \le 1$ ms with 3 poles in series	1001		
	75V	А	160
	110V		
		A	130
	220V	A	130
	330V	A	100
	460V	A	_
IEC max current le in DC1 with $L/R \le 1$ ms with 4 poles in series			
	75V	A	160
	110V	А	130
	220V	А	130

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110...125VDC

	330V	A	130
	460V	A	100
EC max current le in DC3-DC5 with $L/R \le 15$ ms with 1 poles in series			
	75V	A	140
	110V	А	70
	220V	A	-
	330V	A	_
	460V	Α	—
IEC max current le in DC3-DC5 with L/R \leq 15ms with 2 poles in series			
	75V	А	140
	110V	А	100
	220V	А	80
	330V	А	_
	460V	А	_
IEC max current le in DC3-DC5 with L/R \leq 15ms with 3 poles in series			
	75V	А	140
	110V	А	120
	220V	A	100
	330V	A	80
	460V	A	_
IEC max current le in DC3-DC5 with L/R \leq 15ms with 4 poles in series	400 V		
	75V	А	140
	110V	A	120
	220V		
		A	120
	330V	A	120
	460V	A	80
Short-time allowable current for 10s (IEC/EN60947-1)		Α	1100
Protection fuse		_	
	gG (IEC)	A	200
	aM (IEC)	A	125
Making capacity (RMS value)		Α	1300
Breaking capacity at voltage			
	440V	Α	1300
	500V	Α	1100
	690V	А	880
Resistance per pole (average value)		mΩ	0.3
Power dissipation per pole (average value)			
· · · · · · · · · · · · · · · · · · ·	lth	W	7.7
	AC-3	W	4
Tightening torque for terminals			
	min	Nm	10
	max	Nm	10
	min	Ibin	7.4
	max	Ibin	7.4
Max number of wires simultaneously connectable	Παλ	Nr.	2
•		INI.	۷
Conductor section			
AWG/Kcmil			0/0
	max		2/0
			IP00
Mechanical features			
Power terminal protection according to IEC/EN 60529 Mechanical features Operating position			
Mechanical features	normal allowable		Vertical plan ±30°



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ENERGY AND AUTOMATION

110...125VDC

Fixing				Screw
Weight			g	6
Conductor section				
	AWG/kcmil conductor section	may		2/0
Operations		max		2/0
Mechanical life			cycles	10000000
Electrical life			cycles	1100000
Safety related data				
	0d according to EN/ISO 13489-1			
	-	rated load	cycles	1100000
		mechanical load	cycles	1000000
Mirror contats accord	ing to IEC/EN 609474-4-1			yes
EMC compatibility				yes
AC coil operating				
Rated AC voltage at 5	50/60Hz, 60Hz			
		min	V	110
		max	V	125
AC operating voltage				
	of 50/60Hz coil powered at 50Hz			
	pick-up	min	%Us	80
		max	%Us	110
	drop-out	Шах	/000	110
		min	%Us	20
		max	%Us	60
	of 50/60Hz coil powered at 60Hz			
	pick-up			
		min	%Us	80
		max	%Us	110
	drop-out			
		min	%Us	20
		max	%Us	60
	of 60Hz coil powered at 60Hz			
	pick-up	min	%Us	80
		max	%Us %Us	110
	drop-out	max	/000	
		min	%Us	20
		max	%Us	60
AC average coil cons	umption at 20°C			
	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
		holding	VA	10
Dissipation at holding	≤20°C 50Hz		W	10
DC coil operating				
DC rated control volta	iĥe	min	V	110
		min max	V V	125
		Xbiii	v	120

DC operating voltage



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

electric Al	LREADY FITTED V	WITH MECHANICAL LATCH (G	6495), 110125VAC	(AC3) = 1 (DC, MEC)	CHANICAL LATCH
ENERGY AND AUTOMATION					110125VDC
	pick-up				
			min	%Us	80
			max	%Us	110
	drop-out				
			min	%Us	20
			max	%Us	60
Average coil consum	ption ≤20°C				
			in-rush	W	300
			holding	W	10
Max cycles frequency	,				
Mechanical operation				cycles/h	2400
Operating times					
Average time for Us of					
	in AC				
		Closing NO			
			min	ms	60
			max	ms	100
		Opening NO			
			min	ms	25
			max	ms	60
	in DC				
		Closing NO			
			min	ms	60
			max	ms	100
		Opening NO			
			min	ms	25
			max	ms	60
UL technical data					
Full-load current (FLA	 for three-phase A 	C motor			
			at 480V	А	96
			at 600V	А	99
Yielded mechanical p	erformance				
	for three-phase	AC motor			
			/ /		

	·	200/208V	HP	30
		220/230V	HP	40
		575/600V	HP	100
General USE				
	Contactor			
		AC current	А	160
Short-circuit protection	n fuse, 600V			
-	Standard fault			
		Short circuit current	kA	5
		Fuse rating	А	500
		Fuse class		RK5
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-50
		max	°C	70
	Storage temperature			
		min	°C	-60
		max	°C	80
Max altitude			m	3000
Resistance & Protecti	ion			

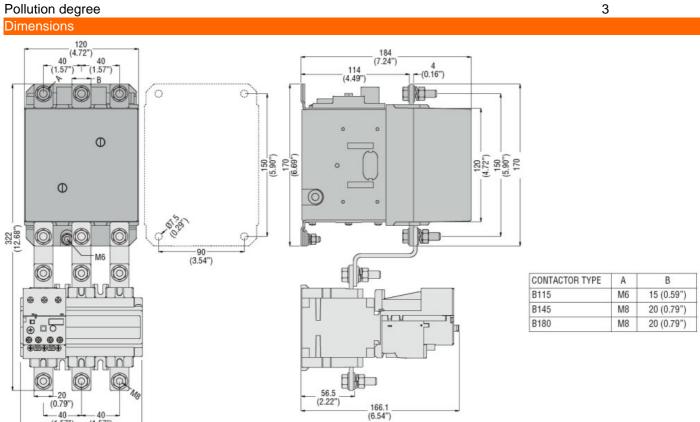
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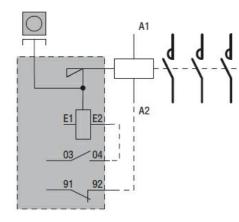


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ENERGY AND AUTOMATION



0.75 <u>40</u> (1.57") <u>127.5</u> (5.02") Wiring diagrams



40 (1.57")

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 classificatio	n .

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ETIM 8.0

EC000066 -Power contactor, AC switching