## 11B115L00380110



THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 110A, AC/DC COIL, electric ALREADY FITTED WITH MECHANICAL LATCH (G495), 380...415VAC/DC, MECHANICAL LATCH 110...125VAC



Draduct designation			Devuer contenter
Product designation			Power contactor
Product type designation Contact characteristics			B115
Number of poles		Nr.	3
Rated insulation voltage Ui IEC/EN		V	1000
Rated impulse withstand voltage Uimp		kV	8
Operational frequency			0
operational mequency	min	Hz	25
	max	Hz	400
IEC Conventional free air thermal current Ith	max	A	160
Operational current le			
	AC-1 (≤40°C)	А	160
	AC-1 (≤55°C)	A	150
	AC-1 (≤70°C)	A	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)			
	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	A	-
	460V	A	
IEC max current le in DC1 with $L/R \le 1$ ms with 2 poles in series			
	75V	Α	160
	110V	A	130
	220V	A	100
	330V	A	-
	460V	A	_
IEC max current le in DC1 with $L/R \le 1$ ms with 3 poles in series	75)/	•	400
	75V	A	160
	110V	A	130
	220V 330V	A	130 100
	460V	A	
IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series	400 V	A	_
	75V	А	160
	110V	A	130
	220V	A	130
	2200	А	130



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	330V	А	130
	460V	A	100
EC max current le in DC3-DC5 with $L/R \le 15$ ms with 1 poles in series			
	75V	А	140
	110V	А	70
	220V	А	-
	330V	А	_
	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	_
EC max current le in DC3-DC5 with $L/R \le 15$ ms with 3 poles in series			
	75V	А	140
	110V	А	120
	220V	А	100
	330V	A	80
	460V	A	_
IEC max current le in DC3-DC5 with L/R $\leq$ 15ms with 4 poles in series	1001		
	75V	А	140
	110V	A	120
	220V	A	120
	330V		
	460V	A	120 80
Chart time allowable current for $40c$ (IEC/ENC0047.4)	400 V	<u>A</u>	
Short-time allowable current for 10s (IEC/EN60947-1)		А	1100
Protection fuse			
	gG (IEC)	A	200
	aM (IEC)	A	125
Making capacity (RMS value)		А	1300
Breaking capacity at voltage			
	440V	A	1300
	500V	А	1100
	690V	A	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	max	Nr.	2
Conductor section			
AWG/Kcmil			
	mov		2/0
Device terminal protection according to UEO/EN COEOO	max		
Power terminal protection according to IEC/EN 60529			IP00
Mechanical features			
Operating position			
	normal		Vertical plan
	allowable		±30°

<sup>11</sup>B115L00380110 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



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ENERGY AND AUTOMATION

110...125VAC

Fixing			Screw
Weight		g	6
Conductor section			
AWG/kcmil conductor section			
	max		2/0
Operations			
Mechanical life		cycles	1000000
Electrical life		cycles	1100000
Safety related data			
Performance level B10d according to EN/ISO 13489-1			
	rated load	cycles	1100000
	mechanical load	cycles	1000000
Mirror contats according to IEC/EN 609474-4-1			yes
EMC compatibility			yes
AC coil operating			
Rated AC voltage at 50/60Hz, 60Hz			
	min	V	380
	max	V	415
AC operating voltage			
of 50/60Hz coil powered at 50Hz			
pick-up			
	min	%Us	80
	max	%Us	110
drop-out		0/11	
	min	%Us	20
	max	%Us	60
of 50/60Hz coil powered at 60Hz			
pick-up		%Us	80
	min	%Us %Us	
drop-out	max	%US	110
urop-out	min	%Us	20
	max	%Us	60
of 60Hz coil powered at 60Hz	Пах	/003	00
pick-up			
pion up	min	%Us	80
	max	%Us	110
drop-out		,	
	min	%Us	20
	max	%Us	60
AC average coil consumption at 20°C			
of 50/60Hz coil powered at 50Hz			
	in-rush	VA	300
	holding	VA	10
of 50/60Hz coil powered at 60Hz	Ŭ		
•	in-rush	VA	300
	holding	VA	10
Dissipation at holding ≤20°C 50Hz		W	10
DC coil operating			
DC rated control voltage			
	min	V	380
	max	V	415

DC operating voltage



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EVERGY AND AUTOMATION FITTED WITH MECHANICAL LATCH (G495), 380415VAC/DC, MECHANICAL LATO T10125V. pick-up min %Us 80 max %Us 110 drop-out min %Us 20 max %Us 60
min %Us 80 max %Us 110 drop-out min %Us 20
min %Us 80 max %Us 110 drop-out min %Us 20
max %Us 110 drop-out min %Us 20
min %Us 20
max %Us 60
Average coil consumption ≤20°C
in-rush W 300
holding W 10
Max cycles frequency
Mechanical operation cycles/h 2400 Operating times
Average time for Us control
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 AC motor
at 480V A 96
at 600V A 99
Yielded mechanical performance

Yielded mechanical p	performance			
	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 protectio	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

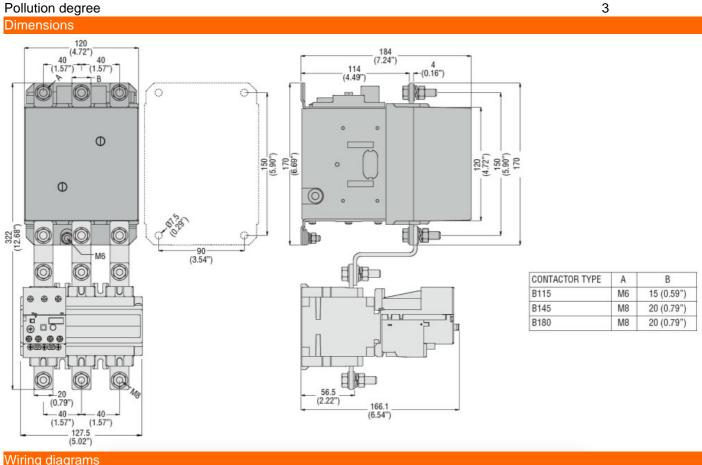
Resistance & Protection



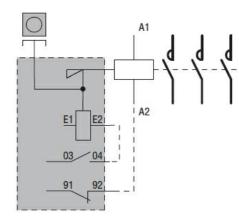
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ENERGY AND AUTOMATION

## Pollution degree



## 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 classificatior	h



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**ETIM 8.0** 

EC000066 -Power contactor, AC switching