THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 110A, AC/DC COIL, **electric** ALREADY FITTED WITH MECHANICAL LATCH (G495), 220...240VAC/DC, MECHANICAL LATCH

**ENERGY AND AUTOMATION** 220...240VDC



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
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	150
	AC-1 (≤70°C)	Α	110
	AC-3 (≤440V ≤55°C)	Α	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			
	75V	Α	160
	110V	Α	130
	220V	Α	130
	330V	Α	100
	460V	Α	_
IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series			
	75V	Α	160
	110V	Α	130
	220V	Α	130

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**ENERGY AND AUTOMATION** 

220...240VDC

	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	Α	_
	460V	Α	_
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 2 poles in series			
μ	75V	Α	140
	110V	Α	100
	220V	Α	80
	330V	Α	_
	460V	Α	_
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series	400 V		
TEC max current le in DC3-DC3 with E/N 3 13ms with 3 poles in series	75V	Α	140
	110V	A	120
	220V	A	100
	330V	A	80
150 DOS DOS 111 L/D 4.45 111 4 1 1 1 1 1	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	Α	80
Short-time allowable current for 10s (IEC/EN60947-1)		Α	1100
Protection fuse			
	gG (IEC)	Α	200
	aM (IEC)	Α	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)		mΩ	0.3
Power dissipation per pole (average value)			
,	Ith	W	7.7
	AC-3	W	4
Tightening torque for terminals			•
Tighterming terique for terminate	min	Nm	10
	max	Nm	10
	min	Ibin	7.4
	max	Ibin	7.4
Max number of wires simultaneously connectable	Пах	Nr.	2
Conductor section		INI.	
AWG/Kcmil			2/0
De contracte de contracte de la CONTRACTE DE	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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**ENERGY AND AUTOMATION** 

220...240VDC

Fixing				Screw
Weight			g	6
Operations				
Mechanical life			cycles	10000000
Electrical life			cycles	1100000
Safety related data				
Performance level B10	Od according to EN/ISO 13489-1			
		rated load	cycles	1100000
	r	mechanical load	cycles	10000000
Mirror contats according	ng to IEC/EN 609474-4-1			Yes
EMC compatibility				yes
AC coil operating				
Rated AC voltage at 50	0/60Hz, 60Hz			
		min	V	220
		max	V	240
AC operating voltage				
	of 50/60Hz coil powered at 50Hz			
	pick-up			
		min	%Us	80
		max	%Us	110
	drop-out			
		min	%Us	20
		max	%Us	60
	of 50/60Hz coil powered at 60Hz			
	pick-up	•	0/11-	00
		min	%Us	80
	duan aut	max	%Us	110
	drop-out		0/116	20
		min	%Us	20
	of COLLE poil newgrad at COLLE	max	%Us	60
	of 60Hz coil powered at 60Hz			
	pick-up	min	%Us	80
			%Us	110
	drop-out	max	/003	110
	αιορ σαι	min	%Us	20
		max	%Us	60
AC average coil consu	imption at 20°C	παχ	,,,,,,	
S arerage our corloc	of 50/60Hz coil powered at 50Hz			
	2. 23. 33. 12 33 p3113134 4t 331 12	in-rush	VA	300
		holding	VA	10
	of 50/60Hz coil powered at 60Hz	9		
		in-rush	VA	300
		holding	VA	10
Dissipation at holding :	≤20°C 50Hz		W	10
DC coil operating				
DC rated control voltage	je			
`	-	min	V	220
		max	V	240
DC operating voltage				
. 5 5	pick-up			
	•	min	%Us	80
		max	%Us	110

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ENERGY AND AUTOMATION 220...240 VAC/DC, WIEGITANICAL LATCH (G495), 220...240 VAC/DC, WIEGITANICAL (GAPT) (GAPT)

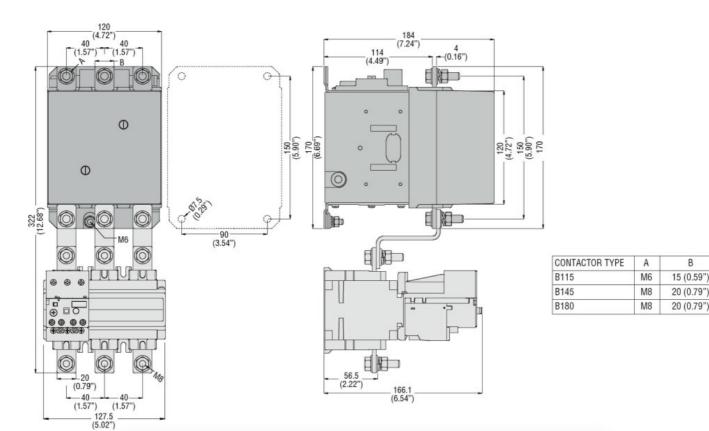
	_				
	drop-out			0/11-	00
			min	%Us %Us	20 60
Average coil consumpti	ion <20°C		max	7608	60
Average con consumpti	1011 <b>=2</b> 0 0		in-rush	W	300
			holding	W	10
Max cycles frequency					
Mechanical operation				cycles/h	2400
Operating times					
Average time for Us con					
	in AC	Clasias NO			
		Closing NO	min	ms	60
			max	ms	100
		Opening NO	max		
		1 0	min	ms	25
			max	ms	60
	in DC				
		Closing NO			
			min	ms	60
		Opening NO	max	ms	100
		Opening NO	min	ms	25
			max	ms	60
UL technical data					
Rated operational voltage	ge AC (UL)			V	600
Full-load current (FLA)	for three-phase AC mo	tor			_
			at 480V	Α	96
			at 600V	Α	99
Yielded mechanical per					
	for three-phase AC mo	otor	200/208V	HP	30
			200/200V 220/230V	HP	40
			575/600V	HP	100
General USE					
	Contactor				
			AC current	Α	160
Short-circuit protection					<u></u>
	Standard fault				_
			Short circuit current	kA	5
			Fuse rating Fuse class	Α	500 RK5
Ambient conditions			Fuse dass		IVIVO
Temperature					
1	Operating temperature	9			
			min	°C	-50
			max	°C	70
	Storage temperature				<u></u>
			min	°C	-60
Manuality 1:			max	°C	80
Max altitude	n			m	3000
Resistance & Protection Pollution degree	II <del>-</del>				3
Dimensions					

В

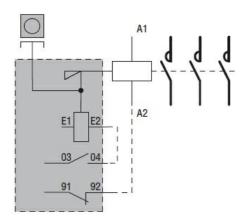


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**ENERGY AND AUTOMATION** 



## 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

11B115L00220C220

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ETIM 8.0

EC000066 -Power contactor, AC switching