THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 110A, AC/DC COIL, **electric** ALREADY FITTED WITH MECHANICAL LATCH (G495), 220...240VAC/DC, MECHANICAL LATCH 48VAC

ENERGY AND AUTOMATION



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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	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			
	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			
·	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			
120 max sament is in 200 200 mai 2m = rome mai i polos in sonos	75V	Α	140
	110V	Α	120
	220V	Α	120
	330V	Α	120
	460V	A	80
Short-time allowable current for 10s (IEC/EN60947-1)	100 (1100
Protection fuse			1100
1 Totalion Tuse	gG (IEC)	Α	200
	aM (IEC)	A	125
Making capacity (RMS value)	aivi (ILO)	A	1300
Breaking capacity at voltage			1300
breaking capacity at voltage	440V	Α	1300
	500V	A	1100
Desistance manufacture and the second	690V	A	880
Resistance per pole (average value)		mΩ	0.3
Power dissipation per pole (average value)	1.1		
	Ith	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		Nr.	2
Conductor section			
AWG/Kcmil			
	max		2/0
Power terminal protection according to IEC/EN 60529			IP00
Mechanical features			
Mechanical features Operating position	normal		Vertical plan

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ENERGY AND AUTOMATION 48VAC

Fixing			Screw
Weight		g	6
Conductor section			
AWG/kcmil conductor section			0.10
Onevetions	max		2/0
Operations Mechanical life		ovoloo	1000000
Electrical life		cycles cycles	10000000
Safety related data		Cycles	1100000
Performance level B10d according to EN/ISO 13489-1			
Tollowing to Environ 10 to 100 T	rated load	cycles	1100000
	mechanical load	cycles	10000000
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	220
	max	V	240
AC operating voltage			
of 50/60Hz coil powered at 50Hz			
pick-up		%Us	0.0
	min max	%Us %Us	80 110
drop-out	Παλ	/003	110
diop out	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		0/116	0.0
	min	%Us %Us	80 110
drop-out	max	/005	110
arop 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			
	in-rush	VA	300
Discipation at holding <20°C FOLI-	holding	VA	10
Dissipation at holding ≤20°C 50Hz DC coil operating		W	10
DC rated control voltage			
Taled Control voltage	min	V	220
	max	V	240
DC operating voltage	max	•	

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ENERGY AND AUTOMATION 48VAC

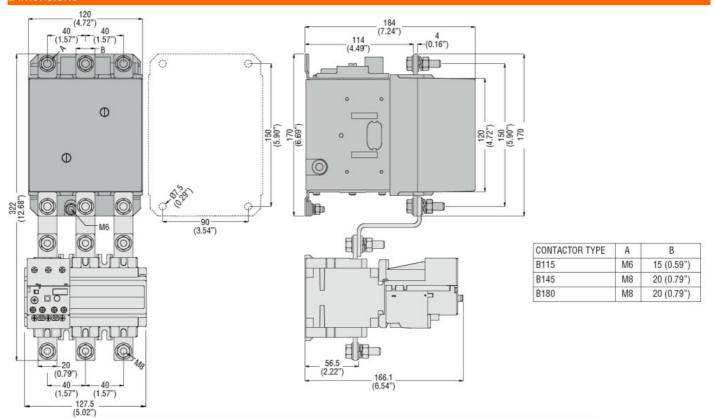
Pick-up							
Max Musua Musua		pick-up					
Average coil consumption ≤20°C min							
min %Us 20 Max with %Us 20 Max with %Us 60 Max with				max	%Us	110	
Max Wus 60		drop-out			0/11	0.0	
Average coll consumption \$20°C In-rush holding W 300 holding W 10							
Max cycles frequency	Average sell consument	dan <00°C		max	%US	60	
Max cycles frequency	Average con consumpt	.1011 ≥20 ℃		in ruch	14/	200	
Max cycles frequency Cycles/h 2400 Operating times Average time for Us control in AC min max ms for max							
Mechanical operation	May cycles frequency			noluling	VV	10	
Operating times Average time for Us control in AC	-				cyclos/b	2400	
Average time for Us control in AC Closing NO min max ms 100 Opening NO min ms 25 max ms 60 in DC Closing NO min ms 60 max ms 60 Opening NO min ms 60 max ms 60 Opening NO Min ms 60 max ms 60 Opening NO Min ms 60 Min ms 60 Min ms 60 Min ms 96 Opening NO Min ms 96 Use technical data Full-load current (FLA) for three-phase AC motor at 480V A 96 at 600V A 99 Yielded mechanical performance for three-phase AC motor 200/208V HP 30 220/230V HP 40 575/600V HP 100 General USE Contactor AC current A 160 Short-circuit protection fuse, 600V Standard fault Short circuit current Fuse rating A 500 Fuse class RK5 Ambient conditions Temperature Operating temperature min °C 50 max °C 70 Storage temperature min °C 50 max °C 80 Storage temperature min °C 60 max °C 80 Storage temperature min °C 60 max °C 80					Cycles/11	2400	
In AC		introl					
Closing NO	Average time for 03 00						
Max altitude Max M			losing NO				
Max		·	g	min	ms	60	
Opening NO							
Min max ms 60 max ms 60		0	pening NO		•		
Max				min	ms	25	
Closing NO							
Maria		in DC					
Opening NO		С	losing NO				
Opening NO				min	ms	60	
Min min ms 25 ms 60				max	ms	100	
Max		0	pening NO				
Ul-load current (FLA) for three-phase AC motor				min	ms	25	
Full-load current (FLA) for three-phase AC motor at 480V A 96 at 600V A 99 Yielded mechanical performance for three-phase AC motor 200/208V HP 30 220/230V HP 40 575/600V HP 100 General USE Contactor AC current A 160 Short-circuit protection fuse, 600V Standard fault Short circuit current Fuse rating A 500 Fuse rating A 500 Fuse class RK5 Ambient conditions Temperature Operating temperature Operating temperature Storage temperature min °C -50 max °C 70 Storage temperature min °C -60 max °C 80 Max altitude Max altitude				max	ms	60	
At 480V A 996 at 600V A 999							
at 600V A 99 Yielded mechanical performance for three-phase AC motor 200/208V HP 30 220/230V HP 40 575/600V HP 100 General USE Contactor AC current A 160 Short-circuit protection fuse, 600V Standard fault Short circuit current kA 5 Fuse rating A 500 Fuse rating temperature A 500 Fuse rating temperature A 50 Max at its conditions Temperature Min °C -50 Max at its colspan="2">Temperature Min °C -50 Temperature Min °C -50 Temperature Min °C -50 Temperature Min °C -60 <td colspan<="" td=""><td>Full-load current (FLA)</td><td>for three-phase AC motor</td><td></td><td></td><td></td><td></td></td>	<td>Full-load current (FLA)</td> <td>for three-phase AC motor</td> <td></td> <td></td> <td></td> <td></td>	Full-load current (FLA)	for three-phase AC motor				
Yielded mechanical performance for three-phase AC motor 200/208V HP 30 220/230V HP 40 575/600V HP 100 General USE Contactor AC current A 160 Short-circuit protection fuse, 600V Standard 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 min °C -60 max °C 80 Max altitude Max altitude							
for three-phase AC motor 200/208V				at 600V	Α	99	
200/208V	Yielded mechanical per						
220/230V		for three-phase AC motor					
Storage temperature S75/600V HP 100 10							
Contactor							
Contactor AC current A 160	0 11105			575/600V	HP	100	
AC current	General USE	O a stanta a					
Short-circuit protection fuse, 600V Standard fault Short circuit current KA 5 Fuse rating A 500 Fuse class RK5		Contactor		A C 2: :=================================	۸	160	
Standard fault Short circuit current KA 5 Fuse rating A 500 Fuse class RK5	Chart aircuit protection	fuco 600\/		AC current	А	100	
Short circuit current	Short-circuit protection						
Fuse rating Fuse class Fuse class RK5		Statiuatu läult		Short circuit current	L۸	F	
Fuse class RK5							
Ambient conditions Temperature Operating temperature				_	A		
Operating temperature	Ambient conditions			i use ciass		IXIXU	
Operating temperature min °C -50 max °C 70 Storage temperature min °C -60 max °C 80 Max altitude m 3000							
min min max °C -50 max -50 record of the control of th	remperature	Operating temperature					
max °C 70 Storage temperature min °C -60 max °C 80 Max altitude m 3000		Sporaming tomporation		min	°C	-50	
Storage temperature min °C -60 max °C 80 Max altitude m 3000							
min min max °C max -60 max Max altitude m 3000		Storage temperature		Max			
max °C 80 Max altitude m 3000				min	°C	-60	
Max altitude m 3000							
	Max altitude						
		n					



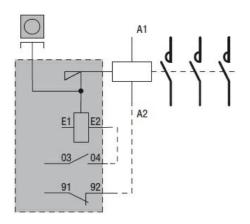
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Pollution degree 3

Dimensions



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

TIM classification

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ENERGY AND AUTOMATION

ETIM 8.0

EC000066 -Power contactor, AC switching