THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 110A, AC/DC COIL, **electric** ALREADY FITTED WITH MECHANICAL LATCH (G495), 380...415VAC/DC, MECHANICAL LATCH 220...240VAC

ENERGY AND AUTOMATION



Product designation Product type designation			Power contactor 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	A	_
150	460V	Α	
IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series	75)/		400
	75V	A	160
	110V	A	130
	220V	A	130
	330V	A	100
IFC may current le in DC4 with L/D < 4 may with 4 males in series	460V	Α	
IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series	751/	۸	160
	75V	A	160
	110V 220V	A	130
	2200	Α	130

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220...240VAC

	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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220...240VAC

Fixing				Screw
Weight			g	6
Conductor section				
	AWG/kcmil conductor section			0.40
Operations		max		2/0
Operations Mechanical life			ovoloo	10000000
Electrical life			cycles cycles	11000000
Safety related data			Cycles	1100000
	d according to EN/ISO 13489-1			
		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	380
10		max	V	415
AC operating voltage	of 50/001 - asili as a see let 5011			
	of 50/60Hz coil powered at 50Hz			
	pick-up	min	%Us	80
		max	%Us	110
	drop-out	max	7000	
	- 1	min	%Us	20
		max	%Us	60
	of 50/60Hz coil powered at 60Hz			
	pick-up			
		min	%Us	80
	1	max	%Us	110
	drop-out	min	0/116	20
		min max	%Us %Us	20 60
	of 60Hz coil powered at 60Hz	Παλ	7003	00
	pick-up			
	pion up	min	%Us	80
		max	%Us	110
	drop-out			
		min	%Us	20
		max	%Us	60
AC average coil consun	•			
	of 50/60Hz coil powered at 50Hz		3.74	200
		in-rush	VA	300
	of 50/60Hz coil powered at 60Hz	holding	VA	10
	of 30/00112 coll powered at 60/12	in-rush	VA	300
		holding	VA	10
Dissipation at holding ≤2	20°C 50Hz		W	10
DC coil operating				
DC rated control voltage				
_		min	V	380
				415

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ENERGY AND AUTOMATION 220...240VAC

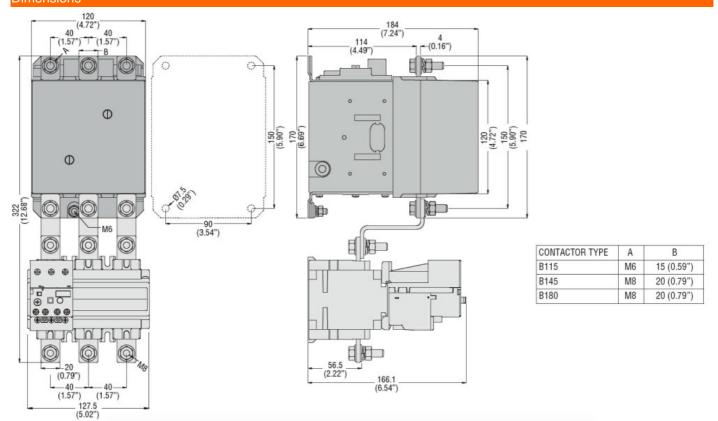
	pick-up				
			min	%Us	80
			max	%Us	110
	drop-out				
			min	%Us	20
			max	%Us	60
Average coil consump	tion ≤20°C				
			in-rush	W	300
			holding	W	10
Max cycles frequency					
Mechanical operation				cycles/h	2400
Operating times					
Average time for Us co	ontrol				
	in AC				
	Clos	sing NO			
		-	min	ms	60
			max	ms	100
	Ope	ning NO			
		ū	min	ms	25
			max	ms	60
	in DC		······································		
		sing NO			
		9 -	min	ms	60
			max	ms	100
	Ope	ning NO			
	5,75	9	min	ms	25
			max	ms	60
UL technical data					
	for three-phase AC motor				
,	, , , , , , , , , , , , , , , , , , ,		at 480V	Α	96
			at 600V	Α	99
Yielded mechanical pe	erformance				
riolada modriamoar po	for three-phase AC motor				
	for times phase 7.6 motor		200/208V	HP	30
			220/230V	HP	40
			575/600V	HP	100
General USE			373/0007	111	
Ochicial USE	Contactor				
	Contactor		AC current	۸	160
Short-circuit protection	o fuco 600\/		AC Current	Α	100
Short-directly protection	Standard fault				
	Stanuaru lault		Chart aircuit aurrant	LεΛ	F
			Short circuit current	kA ^	5
			Fuse rating	Α	500 BKE
Ambient conditions			Fuse class		RK5
Ambient conditions					
Temperature	On another transport				
	Operating temperature		. •	۰.	50
			min	°C	-50 -70
	-		max	°C	70
	Storage temperature		_	0.7	
			min	°C	-60
			max	°C	80
Max altitude				m	3000
Resistance & Protection	on				

ENERGY AND AUTOMATION

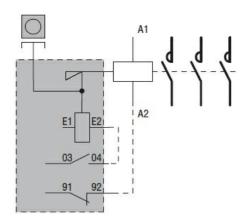
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Pollution degree 3

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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ETIM 8.0

EC000066 -Power contactor, AC switching