FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 160A, AC/DC COIL, **electric** ALREADY FITTED WITH MECHANICAL LATCH (G495), 220...240VAC/DC, MECHANICAL LATCH 220...240VAC



Product designation Product type designation			Power contactor B115
Contact characteristics			
Number of poles		Nr.	4
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-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	A	
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
	330V	Α	130
	460V	Α	100

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ENERGY AND AUTOMATION

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IFC may assemble in DC2 DC5 with L/D < 45 may with 4 males in acrise			
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 1 poles in series	751	۸	4.40
	75V	A	140
	110V	A	70
	220V	A	_
	330V	A	_
	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			
·	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			
1 101001101111000	gG (IEC)	Α	200
	aM (IEC)	Α	125
Making capacity (RMS value)	aw (ILO)	A	1300
Breaking capacity at voltage			1300
breaking capacity at voltage	440V	۸	1300
		A	
	500V	A	1100
Desistance manufacture and value)	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			
	min	Nm	10
	max	Nm	10
	min	lbin	7.4
	max	lbin	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			
Operating position			
	normal		Vertical plan
	allowable		±30°
Fixing			Screw
Weight		g	6770
		9	00

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ENERGY AND AUTOMATION 220...240VAC

0				
Conductor section	AWG/kcmil conductor section			
	AVVG/RETHII Conductor Section	max		2/0
Operations		IIIdA		2/0
Mechanical life			cycles	10000000
Electrical life			cycles	1100000
Safety related data			- Cy 0100	1100000
-	0d according to EN/ISO 13489-1			
	3	rated load	cycles	1100000
		mechanical load	cycles	10000000
Mirror contats accordi	ng to IEC/EN 609474-4-1			yes
EMC compatibility				yes
AC coil operating				,
Rated AC voltage at 5	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	
		min	%Us	80
	dana aut	max	%Us	110
	drop-out	min	0/116	20
		min	%Us %Us	20 60
	of 60Hz coil powered at 60Hz	max	70US	60
	pick-up			
	ріск-ир	min	%Us	80
		max	%Us	110
	drop-out	max	,000	
	4.0p 04t	min	%Us	20
		max	%Us	60
AC average coil consu	umption at 20°C			
5	of 50/60Hz coil powered at 50Hz			
	·	in-rush	VA	300
		holding	VA	10
	of 50/60Hz coil powered at 60Hz	<u> </u>		
		in-rush	VA	300
		holding	VA	10
Dissipation at holding	≤20°C 50Hz		W	10
DC coil operating				
DC rated control voltage	ge			
		min	V	220
		max	V	240
DC operating voltage				
	pick-up			
		min	%Us	80
		max	%Us	110

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ENERGY AND AUTOMATION

220...240VAC

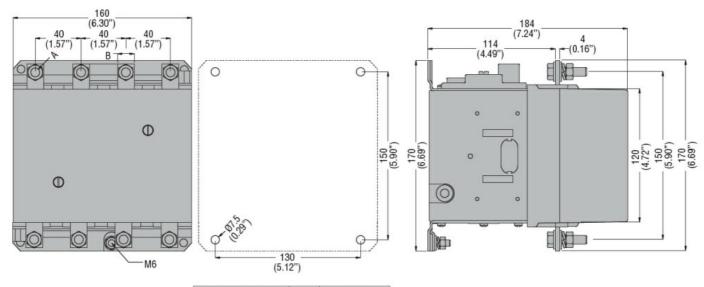
					220240 1710
	drop-out				
	arop out		min	%Us	20
			max	%Us	60
Average coil consump	tion ≤20°C		<u>``</u>		
3			in-rush	W	300
			holding	W	10
Max cycles frequency					
Mechanical operation				cycles/h	2400
Operating times					
Average time for Us co	ontrol				
	in AC				
		Closing NO			
			min	ms	60
			max	ms	100
		Opening NO			
			min	ms	25
			max	ms	60
	in DC				
		Closing NO			
			min	ms	60
		0 : 110	max	ms	100
		Opening NO			25
			min	ms	25 60
UL technical data			max	ms	60
	for three-phase AC mo	otor			
Tull-load current (LA)	noi unee-phase AC mc	noi	at 480V	Α	96
			at 600V	A	99
Yielded mechanical pe	erformance		dt 000 v		
riciaca medianicai pe	for three-phase AC m	intor			
	ioi tinee phase No in	10101	200/208V	HP	30
			220/230V	HP	40
			575/600V	HP	100
General USE					
	Contactor				
			AC current	Α	160
Short-circuit protection	fuse, 600V				
•	Standard fault				
			Short circuit current	kA	5
			Fuse rating	Α	500
			Fuse class		RK5
Ambient conditions					
Temperature					
	Operating temperatur	е			
			min	°C	-50
			max	°C	70
	Storage temperature				
			min	°C	-60
			max	°C	80
Max altitude				m	3000
Resistance & Protection	on				
Pollution degree					3
Dimensions					

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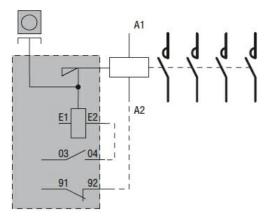
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ENERGY AND AUTOMATION 220...240VAC



CONTACTOR TYPE	A	В
B115	M6	15 (0.59")
B145	M8	20 (0.79")
B180	M8	20 (0.79")

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

ETIM 8.0

EC000066 -Power contactor, AC switching