



Product designation			Power contactor
Product type designation			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	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
	330V	Α	130
	460V	Α	100

IEC max current le in DC3-DC5 with L/R ≤ 15ms with 1 poles in series IEC max current le in DC3-DC5 with L/R ≤ 15ms with 2 poles in series IEC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series	75V 110V 220V 330V 460V 75V 110V 220V 330V 460V	A A A A A A	140 70 - - - 140 100 80 -
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 2 poles in series IEC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series	110V 220V 330V 460V 75V 110V 220V 330V 460V	A A A A A A	70 - - - - 140 100 80 -
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series	220V 330V 460V 75V 110V 220V 330V 460V 75V 110V	A A A A A	- - - 140 100 80
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series	330V 460V 75V 110V 220V 330V 460V 75V 110V	A A A A A	- - 140 100 80 -
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series	75V 110V 220V 330V 460V 75V 110V	A A A A	140 100 80
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series	75V 110V 220V 330V 460V 75V 110V	A A A A	140 100 80
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series	110V 220V 330V 460V 75V 110V	A A A	100 80 -
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series	110V 220V 330V 460V 75V 110V	A A A	100 80 -
	110V 220V 330V 460V 75V 110V	A A A	100 80 -
	220V 330V 460V 75V 110V	A A A	80 -
	330V 460V 75V 110V	A A	_
	460V 75V 110V	Α	_
	75V 110V		
	110V	Α	
IEC may autropt to in DC2 DC5 with 1/D < 45 as with 4 as less in series	110V	А	4.40
IEC may ourrent to in DC2 DC5 with 1/D < 45 as with 4 and a size and			140
IEC may autropt to in DC2 DC5 with 1/D < 45 as with 4 and a fine and	220V	Α	120
IEC may ourrent to in DC2 DC5 with 1/D < 45 are with 4 and a line and		Α	100
IFC may autrent to in DC2 DC5 with 1/D < 45-required A reduction and	330V	Α	80
IFC may autrent to in DC2 DC5 with 1/D < 45 mas with 4 materials	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)	aw (ILO)	A	1300
			1300
Breaking capacity at voltage	4.40\/	۸	4000
	440V	A	1300
	500V	A	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			
	min	Nm	10
	max	Nm	10
	min	Ibin	7.4
	max	lbin	7.4
Max number of wires simultaneously connectable	тих	Nr.	2
Conductor section		1 111.	
AWG/Kcmil	Ma 017		2/0
Decompton in all masteration and a Province IEO/EN COCCO	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	6180

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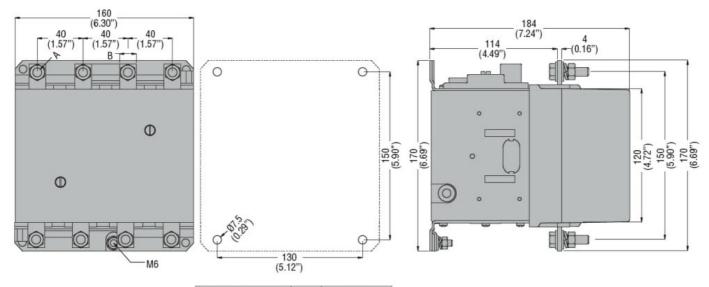
Conductor section				
AV	VG/kcmil conductor section			
		max		2/0
Operations				
Mechanical life			cycles	10000000
Electrical life			cycles	1100000
Safety related data	coording to FN/ISO 12490 1			
renormance level brod at	ccording to EN/ISO 13489-1	rated load	cycles	1100000
		mechanical load	cycles	100000
Mirror contats according to	IFC/FN 609474-4-1	medianea load	Cyclos	yes
EMC compatibility	126/214 666 17 1 1 1			yes
AC coil operating				, , ,
Rated AC voltage at 50/60l	Hz, 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-	0.0
		min	%Us %Us	20 60
of .	50/60Hz coil powered at 60Hz	max	7008	00
OI :	pick-up			
	pion up	min	%Us	80
		max	%Us	110
	drop-out			
	·	min	%Us	20
		max	%Us	60
of	60Hz coil powered at 60Hz			
	pick-up			
		min	%Us	80
	In a second	max	%Us	110
	drop-out		0/116	20
		min	%Us %Us	20 60
AC average coil consumpti	ion at 20°C	max	/0US	00
	50/60Hz coil powered at 50Hz			
Or -	55, 55, 12 55, portotod at 601 12	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				
		min	V	380
		max	V	415
DC operating voltage				
pic	k-up		0/11-	90
		min	%Us %Us	80 110
		max	/₀US	110



	drop-out				
	arop out		min	%Us	20
			max	%Us	60
Average coil consump	tion ≤20°C		<u></u>		
5			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	O			
		Closing NO			
			min	ms	60
		0 ! NO	max	ms	100
		Opening NO	min	ma	25
			min	ms ms	60
UL technical data			max	ms	00
	for three-phase AC mo	tor			
Tall load carrent (LA)	noi tilico pilaso Ao mo	toi	at 480V	Α	96
			at 400 V	A	99
Yielded mechanical pe	erformance		4.0001		
Troided Triedrianied pe	for three-phase AC m	otor			
			200/208V	HP	30
			220/230V	HP	40
			575/600V	HP	100
General USE					
	Contactor				
			AC current	Α	160
Short-circuit protection	n fuse, 600V				
	Standard fault				
			Short circuit current	kA	5
			Fuse rating	Α	500
			Fuse class		RK5
Ambient conditions					
Temperature					
	Operating temperature	Э		0.0	5 0
			min	°C	-50 -70
	Otomo no tames and a		max	°C	70
	Storage temperature			°C	00
			min	°C	-60
Max altitude			max		80
	an			m	3000
Resistance & Protection Pollution degree	חוכ				3
Dimensions					J
Difficusions					

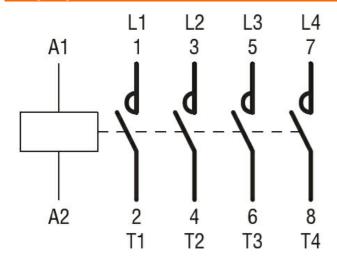
ENERGY AND AUTOMATION

FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 160A, AC/DC COIL, 380...415VAC/DC



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