



Product designation Product type designation			Power contactor B115
Contact characteristics			БПО
Number of poles		Nr.	4
Rated insulation voltage Ui IEC/EN		V	1000
Rated impulse withstand voltage Uimp		kV	8
Operational frequency			
Operational requestoy	min	Hz	25
	max	Hz	400
IEC Conventional free air thermal current Ith	max	A	160
Operational current le			100
Operational current le	AC-1 (≤40°C)	Α	160
	AC-1 (≤55°C)	A	150
	AC-1 (≤70°C)	A	110
	AC-3 (≤440V ≤55°C)	A	110
	AC-3 (3440V 333 C) AC-4 (400V)	A	47
Rated operational power AC-1 (T≤40°C)	AC-4 (400V)	^	41
Rated operational power AC-1 (1540 C)	2201/	LAM	F.7
	230V	kW	57
	400V	kW	98
	500V	kW	129
150	690V	kW	173
IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series			4.0.0
	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			
	75V	Α	140
	110V	Α	70
	220V	Α	_
	330V	A	_
	460V	A	_
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 2 poles in series	400 V		
TEC max current le in DC3-DC3 with E/N = 13ms with 2 poles in series	75\/	۸	4.40
	75V	A	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	400 V		
TEC max current le in DC3-DC3 with L/K \(\) 13ms with 4 poles in series	75\/	۸	4.40
	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)	am (120)	A	1300
Breaking capacity at voltage		, · ·	1000
breaking capacity at voltage	440\/	٨	4000
	440V	A	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			_
	min	Nm	10
	max	Nm	10
	min	lbin	7.4
		Ibin	7.4 7.4
Maria all conference de la consecutation	max		
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	anowabic		Screw
Weight		g	6140

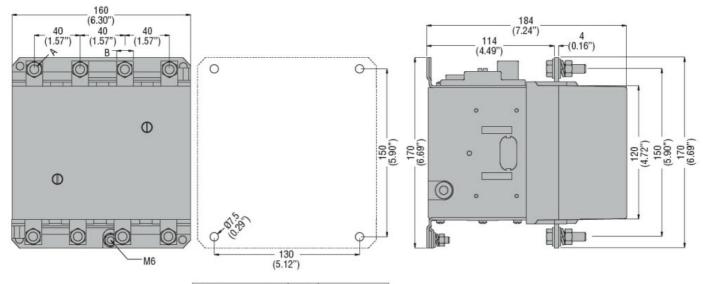
Conductor section				
	AWG/kcmil conductor section	max		2/0
Operations				
Mechanical life			cycles	10000000
Electrical life			cycles	1100000
Safety related data				
Performance level B10	Od according to EN/ISO 13489-1			
		rated load	cycles	1100000
		mechanical load	cycles	10000000
Mirror contats according	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			
		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
		max	%Us	110
	drop-out			
		min	%Us	20
		max	%Us	60
AC average coil consu	ımption 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
		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



	drop-out				_
			min	%Us	20
			max	%Us	60
Average coil consumpt	tion ≤20°C			,,,,,	
, wordy com comeanipe			in-rush	W	300
			holding	W	10
Max cycles frequency			rioiding	**	10
Mechanical operation				cycles/h	2400
Operating times				Cyclc3/11	2400
Average time for Us co	entrol				
Average lime for US Co	in AC				
	III AC	Closing NO			
		Closing NO	min	m.a	60
			min	ms	60
		On aning NO	max	ms	100
		Opening NO	•	,	25
			min	ms	25
	. 50		max	ms	60
	in DC	01 1 110			
		Closing NO			
			min	ms	60
			max	ms	100
		Opening NO			
			min	ms	25
			max	ms	60
UL technical data					
Full-load current (FLA)	for three-phase AC mot	or			
			at 480V	Α	96
			at 600V	Α	99
Yielded mechanical pe	rformance				_
	for three-phase AC mo	otor			
			200/208V	HP	30
			220/230V	HP	40
			575/600V	HP	100
General USE					
	Contactor				
			AC current	Α	160
Short-circuit protection	fuse, 600V		. 13 04.1011		
2 Sirodit protoction	Standard fault				
	Stariouru ruurt		Short circuit current	kA	5
			Fuse rating	A	500
			Fuse class	$\boldsymbol{\Lambda}$	RK5
Ambient conditions			1 436 01435		
Temperature					
romperature	Operating temperature				
	Operating temperature		min	°C	-50
			min	°C	-50 70
	Ctorogo tomporations		max	U	10
	Storage temperature			°C	60
			min	°C	-60
N.A 100 - 1			max	°C	80
Max altitude				m	3000
Resistance & Protectio	n				
Pollution degree					3
Dimensions					

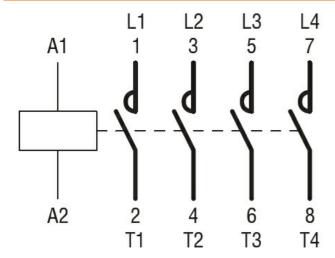
ENERGY AND AUTOMATION

FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 160A, AC/DC COIL, 220...240VAC/DC



CONTACTOR TYPE	Α	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