



Product designation Product type designation			Power contactor B115
Contact characteristics			БПЭ
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		А	160
Operational current le			
	AC-1 (≤40°C)	А	160
	AC-1 (≤55°C)	А	150
	AC-1 (≤70°C)	А	110
	AC-3 (≤440V ≤55°C)	А	110
	AC-4 (400V)	А	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 $L/R \le 1$ ms with 1 poles in series			100
	75V	A	160
	110V	A	100
	220V	A	_
	330V	A	_
IEC max current le in DC1 with L/R \leq 1ms with 2 poles in series	460V	A	_
	75V	А	160
	110V	A	130
	220V	A	100
	330V	A	_
	460V	A	_
IEC max current le in DC1 with L/R \leq 1ms with 3 poles in series	1001		
	75V	А	160
	110V	A	130
	220V	А	130
	330V	А	100
	460V	А	-
IEC max current le in DC1 with $L/R \le 1$ ms with 4 poles in series			
	75V	А	160
	110V	А	130
	220V	А	130
	330V	А	130
	460V	А	100

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$I_{\rm EC}$ may summat be in DC2 DCE with $1/D < 45$ ms with 4 males in series			
EC max current le in DC3-DC5 with $L/R \le 15$ ms with 1 poles in series	75V	٨	140
		A	140
	110V	A	70
	220V	A	_
	330V	A	_
	460V	A	_
EC max current le in DC3-DC5 with L/R \leq 15ms with 2 poles in series			
	75V	A	140
	110V	A	100
	220V	A	80
	330V	А	-
	460V	A	_
EC max current le in DC3-DC5 with L/R \leq 15ms with 3 poles in series			
	75V	А	140
	110V	А	120
	220V	А	100
	330V	А	80
	460V	А	-
EC max current le in DC3-DC5 with L/R \leq 15ms with 4 poles in series			
	75V	А	140
	110V	А	120
	220V	А	120
	330V	A	120
	460V	A	80
Short-time allowable current for 10s (IEC/EN60947-1)	1001	A	1100
Protection fuse			1100
	gG (IEC)	А	200
	aM (IEC)	A	125
Making capacity (RMS value)		A	1300
		A	1300
Breaking capacity at voltage	44014	٨	4000
	440V	A	1300
	500V	A	1100
	690V	<u>A</u>	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	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	max		IP00
Mechanical features			11 00
Operating position	, a a maa a l		Vortical plan
	normal		Vertical plan
=1.1	allowable		±30°
Fixing			Screw
Weight		g	6220



11B115400110 FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 160A, AC/DC COIL,

Conductor section

110...125VAC/DC

AWG/kcmil conductor section

	AWG/kcmil conductor section			
		max		2/0
Operations				
Mechanical life			cycles	1000000
Electrical life			cycles	1100000
Safety related data				
Performance level B1	0d according to EN/ISO 13489-1			
	C C	rated load	cycles	1100000
		mechanical load	cycles	1000000
Mirror contats accordi	ng to IEC/EN 609474-4-1		0)0.00	yes
EMC compatibility				yes
AC coil operating				yes
Rated AC voltage at 5	0/0012, 0012			110
		min	V	110
		max	V	125
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	Пах	/000	00
	pick-up			
	pick-up	min	%Us	80
			%Us	110
	dran out	max	7005	110
	drop-out		0/11-	00
		min	%Us	20
		max	%Us	60
AC average coil consu				
	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	110
		max	V	125
DC operating voltage		max	-	
20 operating voltage	pick-up			
	ριοι ι -αρ	min	%Us	80
			%Us %Us	
		max	7005	110

OVE electric ENERGY AND AUTOMATION

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

110...125VAC/DC

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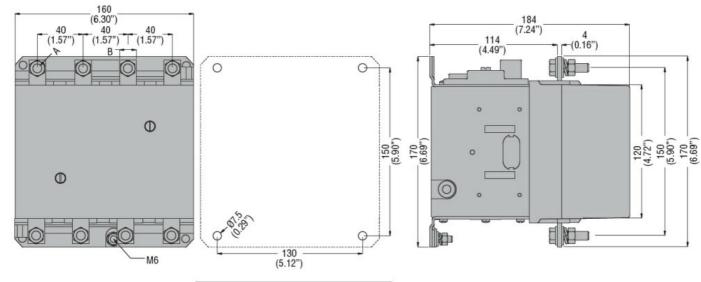
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max %US 60 Average coll consumption ≤20°C in-rush W 300 holding W 10 Max cycles frequency v 10 max 10 Mechanical operation cycles/h 2400 cycles/h 2400 Operating times Average time for Us control min ms 60 max ms 100 Average time for Us control in AC Closing NO min ms 60 max ms 100 0 </td <td></td> <td>alop-out</td> <td></td> <td>min</td> <td>%Hs</td> <td>20</td>		alop-out		min	%Hs	20
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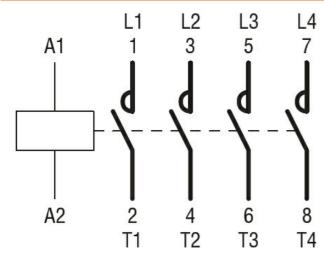
11B115400110 FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 160A, AC/DC COIL, 110...125VAC/DC





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		
		EC000066 -
ETIM 8.0		Power contactor,
		AC switching