



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)	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 $L/R \le 1$ ms with 1 poles in series			
	75V	А	160
	110V	А	100
	220V	A	_
	330V	A	_
	460V	A	_
IEC max current le in DC1 with $L/R \le 1$ ms with 2 poles in series			
	75V	A	160
	110V	A	130
	220V	A	100
	330V	A	-
	460V	A	-
IEC max current le in DC1 with $L/R \le 1$ ms with 3 poles in series			
	75V	A	160
	110V	A	130
	220V	A	130
	330V	A	100
IFO many automatic in DO4 with 1/D < 4 and with 4 and a line in the	460V	A	_
IEC max current le in DC1 with $L/R \le 1$ ms with 4 poles in series		•	400
	75V	A	160
	110V	A	130
	220V	A	130
	330V	A	130
	460V	A	100

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EC max current le in DC3-DC5 with L/R \leq 15ms with 1 poles in series		-	
	75V	A	140
	110V	A	70
	220V	Α	-
	330V	Α	-
	460V	Α	-
EC max current le in DC3-DC5 with L/R \leq 15ms with 2 poles in series			
	75V	А	140
	110V	А	100
	220V	А	80
	330V	A	_
	460V	A	_
EC max current le in DC3-DC5 with L/R \leq 15ms with 3 poles in series	400 v		
EC max current le in DC3-DC3 with $L/R \leq 15ms$ with 5 poles in series	75/	•	4.40
	75V	A	140
	110V	A	120
	220V	Α	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	A	120
	220V	A	120
	330V	A	120
	460V	_	
	460 V	<u>A</u>	80
Short-time allowable current for 10s (IEC/EN60947-1)		A	1100
Protection fuse			
	gG (IEC)	Α	200
	aM (IEC)	Α	125
Making capacity (RMS value)		Α	1300
Breaking capacity at voltage			
	440V	А	1300
	500V	A	1100
	690V	A	880
Pasistanas par pala (avaraga valua)	030 v		0.3
Resistance per pole (average value)		mΩ	0.3
Power dissipation per pole (average value)			
	lth	W	7.7
	AC-3	W	4
Fightening torque for terminals			
	min	Nm	10
	max	Nm	10
	min	lbin	7.4
	max	Ibin	7.4
Max number of wires simultaneously connectable	max	Nr.	2
Conductor section			<u> </u>
AWG/Kcmil			0/0
	max		2/0
Power terminal protection according to IEC/EN 60529			IP00
Mechanical features			
Operating position			
	normal		Vertical plan
	allowable		±30°
Fixing			Screw
			00101
Weight		g	6180



11B115400440 FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 160A, AC/DC COIL,

Conductor section

440...480VAC/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 B10d according to EN/ISO 13489-1			
C C	rated load	cycles	1100000
	mechanical load	cycles	1000000
Mirror contats according to IEC/EN 609474-4-1		- ,	yes
EMC compatibility			yes
AC coil operating			yes
Rated AC voltage at 50/60Hz, 60Hz			
Naled AC Vollage at 50/00112, 00112	min	V	440
	max	V	415
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 consumption at 20°C			-
of 50/60Hz coil powered at 50Hz			
	in-rush	VA	300
	holding	VA	10
of 50/60Hz coil powered at 60Hz	noiuing	٧٨	10
	in-rush	VA	300
	holding	VA VA	10
Dissipation at holding ≤20°C 50Hz	noiuing	W	10
		VV	I U
DC coil operating			
DC rated control voltage			440
	min	V	440
20	max	V	415
DC operating voltage			
pick-up			
	min	%Us	80
	max	%Us	110

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440...480VAC/DC

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	· · ·				
	drop-out			0/11-	00
			min	%Us	20
	ian <20%0		max	%Us	60
Average coil consumpti	$ 00 \leq 20 C$		in-rush	W	300
			holding	W	10
Max cycles frequency			noiding	VV	10
Mechanical operation				cycles/h	2400
Operating times				0,0100,11	2100
Average time for Us co	ntrol				
	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
			max	ms	100
		Opening NO	min	-	25
			min	ms	25 60
UL technical data			max	ms	00
Full-load current (FLA)	for three-phase AC mo	otor			
			at 480V	А	96
			at 600V	A	99
Yielded mechanical per	rformance				
	for three-phase AC m	notor			
			200/208V	HP	30
			220/230V	HP	40
			575/600V	HP	100
General USE					
	Contactor				
			AC current	А	160
Short-circuit protection					
	Standard fault				
			Short circuit current	kA	5
			Fuse rating	A	500
A mala i a nativa a maliti i martina di a			Fuse class		RK5
Ambient conditions					
Temperature	Operating topportur	0			
	Operating temperatur	e	min	°C	-50
			max	°C	-50 70
	Storage temperature		Παλ	0	
			min	°C	-60
			max	°C	80
Max altitude				 m	3000
Resistance & Protection	n				
Pollution degree					3
Dimensions					

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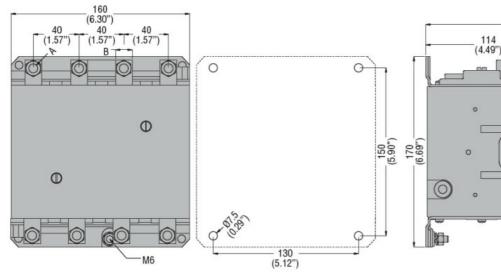
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120 (4.72") 150 (5.90") (6.69")

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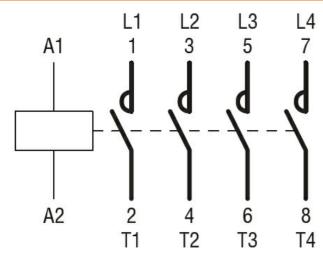
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CONTACTOR TYPE	A	В
B115	M6	15 (0.59")
B145	M8	20 (0.79")
B180	M8	20 (0.79")

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