



Product designation Product type designation			Power contactor B115
Contact characteristics			
Number of poles		Nr.	3
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	A	100
	220V	A	_
	330V	A	-
	460V	А	_
IEC max current le in DC1 with $L/R \le 1$ ms with 2 poles in series			100
	75V	A	160
	110V	A	130
	220V	A	100
	330V	A	_
IFO many surrout to in DO4 with 1/D < 4ma with 2 males in series	460V	A	_
IEC max current le in DC1 with $L/R \le 1$ ms with 3 poles in series		۸	160
	75V	A	160
	110V 220V	A	130 130
		A	130
	330V 460V	A	100
IEC max current le in DC1 with $L/R \le 1$ ms with 4 poles in series	400 V	A	
	75V	А	160
	110V	A	130
	220V	A	130
	330V	A	130
	460V	A	100
	400 V	А	100



IEC max current le in DC3-DC5 with L/R $\leq$ 15ms with 1 poles in series			4.40
	75V	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	А	120
	460V	А	80
Short-time allowable current for 10s (IEC/EN60947-1)		А	1100
Protection fuse			
	gG (IEC)	А	200
	aM (IEC)	А	125
Aking capacity (RMS value)		А	1300
Breaking capacity at voltage			
	440V	А	1300
	500V	А	1100
	690V	А	880
Resistance per pole (average value)		mΩ	0.3
Power dissipation per pole (average value)			
	lth	W	7.7
	AC3	W	4
ightening torque for terminals			
	min	Nm	10
	max	Nm	10
	min	lbin	7.4
	max	Ibin	7.4
Aax number of wires simultaneously connectable		Nr.	2
Power terminal protection according to IEC/EN 60529			IP00
Aechanical features			
Dperating position			
	normal		Vertical plan
	allowable		±30°
Fixing			Screw
Veight		0	5240
Derations		g	5240
Aechanical life		ovoloo	1000000
		cycles	1000000

Electrical life

11B11500220

1100000

cycles

The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding



Safety related data

Safety related data Performance level B1	0d according to EN/ISO 13489-1			
		rated load	cycles	1100000
		mechanical load	cycles	1000000
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-	80
		min	%Us %Us	80 110
	drop-out	max	%08	110
	diop-out	min	%Us	20
		max	%Us	60
	of 60Hz coil powered at 60Hz	Шах	/003	00
	pick-up			
	pierc ap	min	%Us	80
		max	%Us	110
	drop-out			
	•	min	%Us	20
		max	%Us	60
AC average coil consu	umption 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
<b></b>		max	V	240
DC operating voltage				
	pick-up		0/11	
		min	%Us	80
	duon out	max	%Us	110
	drop-out		0/11-	20
		min	%Us	20
	tion <20°C	max	%Us	60
Average coil consump	0001 ≥20 C	- ا مرب مرا	۱۸/	200
		in-rush	W	300
		holding	W	10

11B11500220

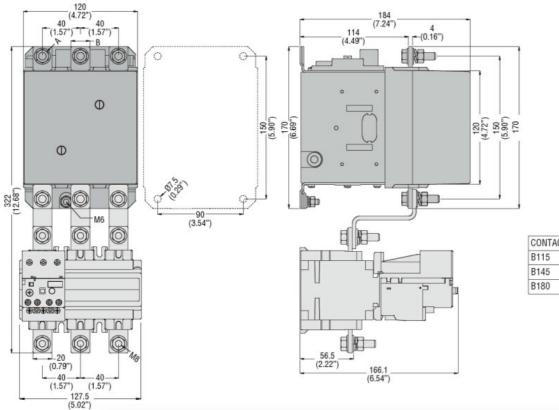
11B11500220



Max avalas fraguasav					
Max cycles frequency Mechanical operation				cycles/h	2400
Operating times				Cycles/II	2400
Average time for Us cor	ntrol				
Average time for 03 col	in AC				
		Closing NO			
			min	ms	60
			max	ms	100
		Opening NO			
		oponingito	min	ms	25
			max	ms	60
	in DC				
		Closing NO			
		gg	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	motor			
			at 480V	А	96
			at 600V	А	99
Yielded mechanical per	formance				
·	for three-phase AC	motor			
			200/208V	HP	30
			220/230V	HP	40
			460/480V	HP	75
			575/600V	HP	100
General USE					
	Contactor				
			AC current	А	160
Short-circuit protection	fuse, 600V				
	Standard fault				
			Short circuit current	kA	5
			Fuse rating	А	500
			Fuse class		RK5
Ambient conditions					
Temperature					
	Operating temperat	ture			
			min	°C	-50
			max	°C	70
	Storage temperatur	re			
			min	°C	-60
			max	°C	80
Max altitude				m	3000
Resistance & Protection	n				
					3
Pollution degree Dimensions					

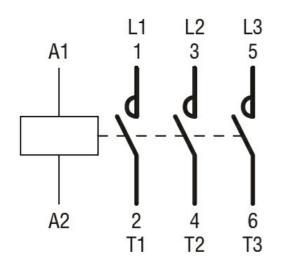


## **11B11500220** THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 110A, AC/DC COIL, 220...240VAC/DC



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	

11B11500220

The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding

## 11B11500220



THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 110A, AC/DC COIL, 220...240VAC/DC

ETIM 8.0

EC000066 -Power contactor, AC switching