# 11B400L00220C220



THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 420A, AC/DC COIL, **electric** ALREADY FITTED WITH MECHANICAL LATCH (G495), 220...240VAC/DC, MECHANICAL LATCH 220...240VDC



			han and
Product designation			Power contactor
Product type designation			B400
Contact characteristics			
Number of poles		Nr.	3
Rated insulation voltage Ui IEC/EN		V	1000
Rated impulse withstand voltage Uimp		kV	8
Operational frequency		ιτν	0
	min	Hz	25
		Hz	400
IEC Conventional free air thermal current Ith	max	A	550
		A	550
Operational current le		•	
	AC-1 (≤40°C)	A	550
	AC-1 (≤55°C)	A	430
	AC-1 (≤70°C)	А	360
	AC-3 (≤440V ≤55°C)	A	420
	AC-4 (400V)	A	200
Rated operational power AC-3 (T≤55°C)			
	400V	kW	225
Rated operational power AC-1 (T≤40°C)			
	230V	kW	200
	400V	kW	345
	500V	kW	452
	690V	kW	598
IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series			
	75V	А	400
	110V	А	250
	220V	А	
	330V	А	
	460V	А	
IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series			
	75V	А	400
	110V	A	400
	220V	A	350
	330V	A	
	460V	A	
IEC max current le in DC1 with L/R $\leq$ 1ms with 3 poles in series	1001		
	75V	А	400
	110V	A	400
	220V 330V	A	400
		A	350
	460V	A	
IEC max current le in DC1 with $L/R \le 1$ ms with 4 poles in series			100
	75V	A	400
	110V	A	400
	220V	A	400



11B400L00220C220 THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 420A, AC/DC COIL, electric ALREADY FITTED WITH MECHANICAL LATCH (G495), 220...240VAC/DC, MECHANICAL LATCH

220...240VDC

	330V	А	400
	460V	Α	350
EC max current le in DC3-DC5 with L/R $\leq$ 15ms with 1 poles in series			
	75V	А	350
	110V	А	200
	220V	А	
	330V	А	
	460V	A	
IEC max current le in DC3-DC5 with L/R $\leq$ 15ms with 2 poles in series			
	75V	А	350
	110V	А	350
	220V	A	280
	330V	А	
	460V	Α	
EC max current le in DC3-DC5 with L/R $\leq$ 15ms with 3 poles in series			
	75V	А	350
	110V	А	350
	220V	А	350
	330V	А	280
	460V	Α	
IEC max current le in DC3-DC5 with L/R $\leq$ 15ms with 4 poles in series			
	75V	А	350
	110V	А	350
	220V	Α	350
	330V	А	280
	460V	Α	280
Short-time allowable current for 10s (IEC/EN60947-1)		Α	3600
Protection fuse			
	gG (IEC)	А	630
	aM (IEC)	Α	400
Making capacity (RMS value)		Α	4200
Breaking capacity at voltage			
	440V	А	4000
	500V	А	3400
	690V	А	3360
Resistance per pole (average value)		mΩ	0.2
Power dissipation per pole (average value)			
	lth	W	52
	AC-3	W	32
Tightening torque for terminals			
	min	Nm	35
	max	Nm	35
	min	lbin	25.8
	max	lbin	25.8
Tightening torque for coil terminal			
	min	Nm	1
	max	Nm	1
	min	lbin	0.74
	max	lbin	0.74
Max number of wires simultaneously connectable		Nr.	2
Conductor section			
AWG/Kcmil			

The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and 11B400L00220C220 functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding

2x 300 kcmil

max



11B400L00220C220 THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 420A, AC/DC COIL, electric ALREADY FITTED WITH MECHANICAL LATCH (G495), 220...240VAC/DC, MECHANICAL LATCH

ENERGY AND AUTOMATION

220...240VDC

Power terminal protection according to IEC/EN 60529			IP00
lechanical features			
Operating position			
	normal		Vertical plan
	allowable		±30°
Fixing			Screw
Weight		g	1018
Conductor section			
AWG/kcmil conductor section			
	max		2x 300 kcmil
Operations			
Mechanical life		cycles	10000000
Electrical life		cycles	700000
Safety related data		,	
Performance level B10d according to EN/ISO 13489-1			
5	rated load	cycles	700000
	mechanical load	cycles	10000000
Mirror contats according to IEC/EN 609474-4-1		-,	yes
EMC compatibility			yes
AC coil operating			,
Rated AC voltage at 50/60Hz, 60Hz			
	min	V	220
	max	v	240
AC operating voltage	Шах	v	240
of 50/60Hz coil powered at 50Hz			
pick-up			
ρισκ-αρ	min	%Us	80
		%Us %Us	80 110
drop out	max	%US	110
drop-out	min	%Us	20
	min		
of EQ/COLLE and powered of COLLE	max	%Us	60
of 50/60Hz coil powered at 60Hz			
pick-up	<u> </u>	0/11-	90
	min	%Us	80
	max	%Us	110
drop-out		0/11	
	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			
	in-rush	VA	300
	holding	VA	10
	holding	• / (	10

The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and 11B400L00220C220 functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding





THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 420A, AC/DC COIL, electric ALREADY FITTED WITH MECHANICAL LATCH (G495), 220...240VAC/DC, MECHANICAL LATCH

ENERGY AND AUTOMATION

220...240VDC

DC coil operating				
DC coil operating				
DC rated control voltage	le			
		min	V	220
		max	V	240
DC operating voltage				
	pick-up			
		min	%Us	80
		max	%Us	110
	drop-out	max	/000	110
		min	%Us	20
<u> </u>		max	%Us	60
Average coil consump	$100 \leq 20^{\circ}C$			
		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 N	0		
				0.0
		min	ms	80
	<b>.</b>	max	ms	120
	Opening N			
		min	ms	30
		max	ms	75
	in DC			
	Closing N	0		
	5	min	ms	80
		max	ms	120
	Opening N			•
	Opening i	min	me	30
			ms	
III to obvice I dete		max	ms	75
UL technical data				
Full-load current (FLA)	for three-phase AC motor			
		at 480V	А	414
		at 600V	А	382
Yielded mechanical pe	rformance			
	for three-phase AC motor			
	• • • • •	200/208V	HP	125
		220/230V	HP	150
		460/480V	HP	350
		400/480 V 575/600 V	HP	400
		575/0000		400
General USE	•			
	Contactor			
		AC current	А	550
Short-circuit protection	fuse, 600V			
	Standard fault			
		Short circuit current	kA	18
		Fuse rating	A	800
		Fuse class	<i>,</i> ,	L
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-50

The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and 11B400L00220C220 functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding



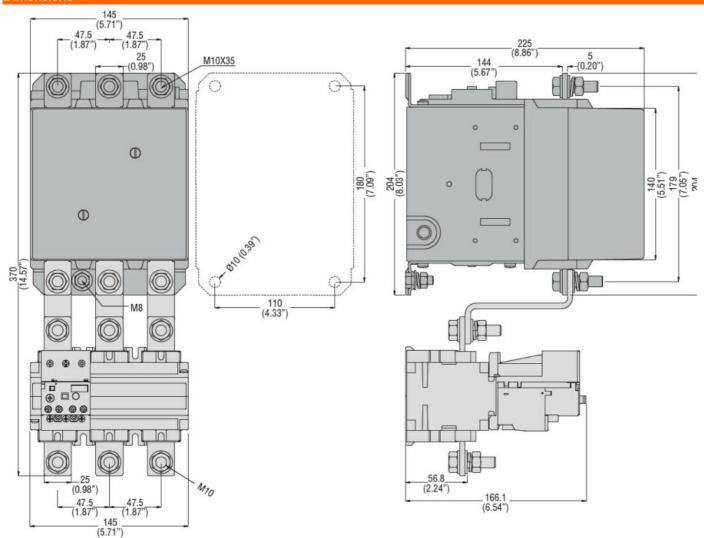
11B400L00220C220 THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 420A, AC/DC COIL, electric ALREADY FITTED WITH MECHANICAL LATCH (G495), 220...240VAC/DC, MECHANICAL LATCH

ENERGY AND AUTOMATION

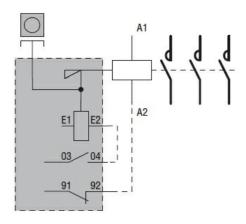
220...240VDC

	max	°C	70
Storage temperature			
	min	°C	-60
	max	°C	80
Max altitude		m	3000
Resistance & Protection			
Pollution degree			3

Dimensions



## Wiring diagrams



#### Certifications and compliance

The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and 11B400L00220C220 functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding



# 11B400L00220C220

ENERGY AND AUTOMATION

THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 420A, AC/DC COIL, electric ALREADY FITTED WITH MECHANICAL LATCH (G495), 220...240VAC/DC, MECHANICAL LATCH 220...240VDC

### 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	
CCC	
cULus	
EAC	
	EC000066 -
	CSA C22.2 n° 60947-4-1   IEC/EN 60947-1   IEC/EN 60947-4-1   UL 60947-1   UL 60947-4-1   CCC   cULus

ETIM 8.0

Power contactor, AC switching