



Product designation			Power contactor
Product type designation			B400
Contact characteristics			
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		Α	550
Operational current le			
	AC-1 (≤40°C)	Α	550
	AC-1 (≤55°C)	Α	430
	AC-1 (≤70°C)	Α	360
	AC-3 (≤440V ≤55°C)	Α	420
	AC-4 (400V)	Α	200
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	Α	400
	110V	Α	250
	220V	Α	
	330V	Α	
	460V	Α	
IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series			
	75V	Α	400
	110V	Α	400
	220V	Α	350
	330V	Α	
	460V	Α	
IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series			
	75V	Α	400
	110V	Α	400
	220V	Α	400
	330V	Α	350
	460V	Α	
IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series			
	75V	Α	400
	110V	Α	400
	220V	Α	400
	330V	Α	400
	460V	Α	350



FC may augrent to in DC2 DC5 with L/D < 15mg with 1 notes in series			
EC max current le in DC3-DC5 with L/R ≤ 15ms with 1 poles in series	75V	Α	350
	110V	A	200
	220V	A	
	330V	A	
	460V	A	
EC max current le in DC3-DC5 with L/R ≤ 15ms with 2 poles in series	+00 V		
EO max outrone to in 500 500 with Ent = 10m3 with 2 poles in series	75V	Α	350
	110V	A	350
	220V	A	280
	330V	A	
	460V	A	
EC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series	400 V		<b></b>
EC max current le in DC3-DC3 with E/K ≥ 13ms with 3 poles in series	75V	۸	350
	75V 110V	A	350 350
		A	
	220V	A	350
	330V	A	280
EC many augment la im DC2 DC5 with 1/D < 45 with 4 males in a city	460V	A	
EC max current le in DC3-DC5 with L/R ≤ 15ms with 4 poles in series	75\/	^	050
	75V	A	350
	110V	A	350
	220V	Α	350
	330V	Α	280
	460V	Α	280
Short-time allowable current for 10s (IEC/EN60947-1)		Α	3600
Protection fuse		_	
	gG (IEC)	Α	630
	aM (IEC)	A	400
Making capacity (RMS value)		Α	4200
Breaking capacity at voltage		_	
	440V	Α	4000
	500V	Α	3400
	690V	A	3360
Resistance per pole (average value)		mΩ	0.2
Power dissipation per pole (average value)			
	Ith	W	52
	AC3	W	32
Fightening torque for terminals			
	min	Nm	35
	max	Nm	35
	min	lbin	25.8
	max	lbin	25.8
Fightening 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			
AVVG/KCIIII			0 0001 "
AWG/Remii	max		2x 300 kcmil



# Operating position

		normal		Vertical plan
Fixing a		allowable		±30°
Fixing Weight				Screw 1112
Conductor section			g	1112
	AWG/kcmil conductor section			
,	AVO/ACITIII CONGUCTOR SECTION	max		2x 300 kcmil
Operations		ПОЛ		ZX 000 Romin
Mechanical life			cycles	10000000
Electrical life			cycles	700000
Safety related data				
Performance level B10d	according to EN/ISO 13489-1			
		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 50/6	60Hz, 60Hz			
		min	V	220
		max	V	240
AC operating voltage				
C	of 50/60Hz coil powered at 50Hz			
	pick-up		0/116	0.0
		min	%Us %Us	80
	drop-out	max	%US	110
	diop-out	min	%Us	20
		max	%Us	60
_	of 50/60Hz coil powered at 60Hz	Пах	7000	
_	pick-up			
	F 1411 MP	min	%Us	80
		max	%Us	110
	drop-out			
		min	%Us	20
		max	%Us	60
C	of 60Hz coil powered at 60Hz			
	pick-up			
		min	%Us	80
		max	%Us	110
	drop-out		0/1/	00
		min	%Us	20
A.C. average as 22	ation at 20°C	max	%Us	60
AC average coil consump				
С	of 50/60Hz coil powered at 50Hz	in-rush	VA	300
		in-rush holding	VA VA	10
_	of 50/60Hz coil powered at 60Hz	noiding	VA.	10
C	5 50/00112 con powered at ourse	in-rush	VA	300
			VA VA	10
		holding	VA	

DC rated control voltage



Four-pole contactor, IEC operating current Ith (AC1) = 550A, AC/DC coil, 220...240VAC/DC

			min	V	220
			max	V	240
DC operating voltage			max	•	
20 operaning remage	pick-up				
	r		min	%Us	80
			max	%Us	110
	drop-out				
			min	%Us	20
			max	%Us	60
Average coil consump	tion ≤20°C				
			in-rush	W	300
May avalog fraguenav			holding	W	10
Max cycles frequency Mechanical operation				cycles/h	2400
Operating times				cycles/11	2400
Average time for Us co	ontrol				
Avorago amo lor co o	in AC				
		Closing NO			
		Ü	min	ms	80
			max	ms	120
		Opening NO			
			min	ms	30
			max	ms	75
	in DC	01 1 110			
		Closing NO			0.0
			min	ms	80
		Opening NO	max	ms	120
		Opening NO	min	ms	30
			max	ms	75
UL technical data			111677		
Full-load current (FLA)	) for three-phase A(	C motor			
	•		at 480V	Α	414
			at 600V	Α	382
Yielded mechanical pe	erformance				
	for three-phase A	C motor			
			200/208V	HP	125
			220/230V	HP	150
			460/480V	HP	350
General USE			575/600V	HP	400
General USE	Contactor				
	Contactor		AC current	Α	550
Short-circuit protection	n fuse, 600V		, to ourion	,,	
zwom protocilor	Standard fault				
			Short circuit current	kA	18
			Fuse rating	Α	800
			Fuse class		L
Ambient conditions					
Temperature					
	Operating temper	ature			
			min	°C	-50 50
	01		max	°C	70
	Storage temperat	ure			

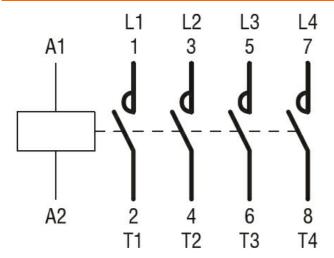
**ENERGY AND AUTOMATION** 

Four-pole contactor, IEC operating current Ith (AC1) = 550A, AC/DC coil, 220...240VAC/DC

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

#### 192.5 (7.58°) 47.5 (1.87°) (0.98°)

# 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



## 11B400400220

Four-pole contactor, IEC operating current Ith (AC1) = 550A, AC/DC coil, 220...240VAC/DC

**ETIM 8.0** 

EC000066 -Power contactor, AC switching