



Product designation Product type designation			Power contactor 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	133
Rated operational power AC-1 (T≤40°C)			
	230V	kW	200
	400V	kW	345
	440480V	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



11B400400220

IEC max current le in DC3-DC5 with L/R ≤ 15ms with 1 poles in series			
	75V	Α	350
	110V	Α	200
	220V	Α	
	330V	Α	
	460V	Α	
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 2 poles in series			
·	75V	Α	350
	110V	Α	350
	220V	Α	280
	330V	A	
	460V	Α	
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series	400 V		
index current le in 200-200 with 2/13 13 ms with 3 poles in series	75V	٨	250
		A	350
	110V	A	350
	220V	Α	350
	330V	Α	280
	460V	Α	
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 4 poles in series			
	75V	Α	350
	110V	Α	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)	Α	400
Making capacity (RMS value)	( - /	Α	4200
Breaking capacity at voltage			
Drouning supusity at ronage	440V	Α	4000
	500V	Α	3400
	690V	A	3360
Resistance per pole (average value)	090 V	mΩ	0.2
Power dissipation per pole (average value)		11122	0.2
rower dissipation per pole (average value)	141-	14/	F0
	Ith	W	52
<del></del>	AC3	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	lbft	0.74
	max	lbft	0.74
Max number of wires simultaneously connectable		nr.	2
Power terminal protection according to IEC/EN 60529			IP00
Mechanical features			
Operating position			
	normal		Vertical plan
			Vertical plan
	allowable		±30°

11B400400220

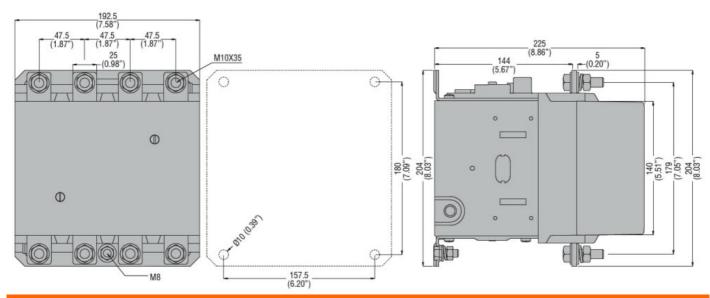
Fixing				Screw
Weight			g	1112
Operations				
Mechanical life			cycles	10000000
Electrical life			cycles	700000
Safety related data				
Performance level B10	0d according to EN/ISO 13489-1			
		rated load	cycles	700000
-		nechanical load	cycles	10000000
	ng to IEC/EN 609474-4-1			yes
EMC compatibility				yes
AC coil operating				
Rated AC voltage at 50	0/60Hz, 60Hz	_		
		min	V	24
		max	V	480
AC operating voltage	(50/0011 11 11 11 11 11 11 11 11 11 11 11 11			
	of 50/60Hz coil powered at 50Hz			
	pick-up		0/11-	0.0
		min	%Us	80
	drop out	max	%Us	110
	drop-out	min	%Us	20
		max	%Us	60
	of 50/60Hz coil powered at 60Hz	IIIdx	7003	
	pick-up			
	ριοκ αρ	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 operating voltage a				
	of 50/60Hz coil powered at 50Hz	• . •	1/4	200
		in-rush	VA	300
	of EO/GOHz and noward at COLL-	holding	VA	10
	of 50/60Hz coil powered at 60Hz	in-rush	VA	300
		in-rush holding	VA VA	10
Dissipation at holding :	<20°C 50Hz	noluling	W	10
DC coil operating			V V	10
DC rated control voltage				
20 ratou control voltaç	<b>1</b> ~	min	V	24
		max	V	500
DC operating voltage		max	•	
	pick-up			
	r	min	%Us	80
		max	%Us	110



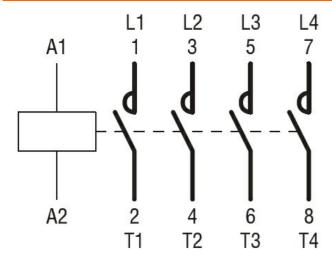
	drop out				
	drop-out		min	%Us	20
			max	%Us	60
Average coil consun	nntion <20°C		Παλ	7003	
Average con consum	iiption =20 C		in-rush	W	300
			holding	W	10
Max cycles frequence	N/		Holding	VV	10
Mechanical operation				cycles/h	2400
Operating times	II			Cycles/11	2400
Average time for Us	control				
Average time for US	in AC				
	III AC	Closing NO			
		Closing NO	min	ms	80
					120
		Opening NO	max	ms	120
		Opening NO	min	mc	30
			min	ms	75
	in DC		max	ms	73
	in DC	Closing NO			
		Closing NO	min	<b>m</b> 0	80
			min	ms	
		Opening NO	max	ms	120
		Opening NO	min	<b>m</b> 0	30
			min	ms	75
UL technical data			max	ms	75
	A) for three phase AC	motor			
ruii-ioau curierii (FL	A) for three-phase AC	motor	at 480V	٨	414
			at 600V	A A	382
Violded meshanisal			at 000 v	A	302
Yielded mechanical		2			
	for three-phase AC	motor	200/2001	h.m.	405
			200/208V	hp	125
			220/230V	hp	150
			460/480V	hp	350
0 11105			575/600V	hp	400
General USE	0 1 1				
	Contactor		40		550
A mala in material managerial and a			AC current	Α	550
Ambient conditions					
Temperature	0				
	Operating tempera	ature		0.0	50
			min	°C	-50 -70
	Otamaria		max	°C	70
	Storage temperatu	ire		0.0	00
			min	°C	-60
			max	°C	80
Max altitude				m	3000
Resistance & Protect	ction				
Pollution degree					3
Dimensions					

**ENERGY AND AUTOMATION** 

FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 550A, AC/DC COIL, 220...240VAC/DC



### 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