



Product designation	Power contactor		
Product type designation	B400		
Contact characteristics			
Number of poles	nr.	3	
Rated insulation voltage U_i	V	1000	
Rated impulse withstand voltage U_{imp}	kV	8	
Operating frequency	Operational frequency min	Hz	25
	Operational frequency max	Hz	400
Conventional free air thermal current I_{th}	A	550	
Operating current	Operational current AC1 ($\leq 40^\circ\text{C}$)	A	550
	Operational current AC3 ($\leq 440\text{V} \leq 55^\circ\text{C}$)	A	420
	Operational current AC4 (400V)	A	133
Rated operational power AC1 ($T \leq 40^\circ\text{C}$)	230V	kW	200
	400V	kW	345
	500V	kW	452
	690V	kW	598
Rated operational power AC3 ($T \leq 55^\circ\text{C}$)	230V	kW	130
	400V	kW	225
	415V	kW	247
	440V	kW	263
	500V	kW	271
	690V	kW	352
1000V	kW	208	
Short-time allowable current for 10s (IEC/EN60947-1)	A	3600	
Protection fuse	gG (IEC)	A	630
	aM (IEC)	A	400
Making capacity (RMS value)	A	4200	
Breaking capacity at voltage	Breaking capacity 440V	A	4000
	Breaking capacity 500V	A	3400
	Breaking capacity 690V	A	3360
Resistance per pole (average value)	m Ω	0.2	
Power dissipation per pole (average value)	Power dissipation pole (average value) I_{th}	W	52
	AC3	W	32
Tightening torque for terminals	min	Nm	35
	max	Nm	35
	min	lbft	25.8
	max	lbft	25.8

max number of wires simultaneously connectable		nr.	2
Conductor section	AWG		
		max	2x 300 kcmil
Power terminal protection according to IEC/EN 60529			IP00
Auxiliary contact characteristics			
Operational current AC1 ($\leq 40^{\circ}\text{C}$)		A	550
Operating current DC13		110V	A Screw
Ambient conditions			
Temperature	Operating temperature		
		min	$^{\circ}\text{C}$ -50
		max	$^{\circ}\text{C}$ 70
	Storage temperature		
		min	$^{\circ}\text{C}$ -60
		max	$^{\circ}\text{C}$ 80
Max altitude		m	3000
Operating position		normal allowable	Vertical plan $\pm 30^{\circ}$
Mounting			Screw
Weight		g	9.77
Operations			
Mechanical life		Cycles	10000000
Electrical life		Cycles	700000
Safety related data			
Performance level B10d according to EN/ISO 13489-1		rated load mechanical load	Cicli 700000 Cicli 10000000
Mirror contacts according to IEC/EN 60947-4-1			yes
EMC compatibility			yes
AC coil operating			
AC operating voltage	of 50/60Hz coil powered at 50Hz		
	pick-up	min	%Us 0.8
		max	%Us 1.1
	drop-out	min	%Us 0.2
		max	%Us 0.6
	of 50/60Hz coil powered at 60Hz		
	pick-up	min	%Us 0.8
		max	%Us 1.1
	drop-out	min	%Us 0.2
		max	%Us 0.6
AC operating voltage	of 50/60Hz coil powered at 50Hz		
		in-rush holding	VA 300 VA 10
	of 50/60Hz coil powered at 60Hz		

	in-rush	VA	300
	holding	VA	10
Dissipation at holding $\leq 20^{\circ}\text{C}$ 50Hz		W	10

DC coil operating

DC rated control voltage	min	V	24
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DC operating voltage

pick-up	min	%Us	0.8
	max	%Us	1.10

drop-out	min	%Us	0.2
	max	%Us	0.60

Average coil consumption $\leq 20^{\circ}\text{C}$

in-rush	W	300
holding	W	10

Max cycles frequency

Mechanical operations	Cycles/h	2400
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Operating times

Average time for Us control

in AC	Closing NO	min	ms	80
		max	ms	120
	Opening NO	min	ms	30
		max	ms	75

in DC	Closing NO	min	ms	80
		max	ms	120
	Opening NO	min	ms	30
		max	ms	75

UL technical data

Full-load current (FLA) for three-phase AC motor

at 480V	A	414
at 600V	A	382

Yielded mechanical performance

for three-phase AC motor

at 200/208V	hp	125
at 220/230V	hp	150
at 460/480V	hp	350
at 575/600V	hp	400

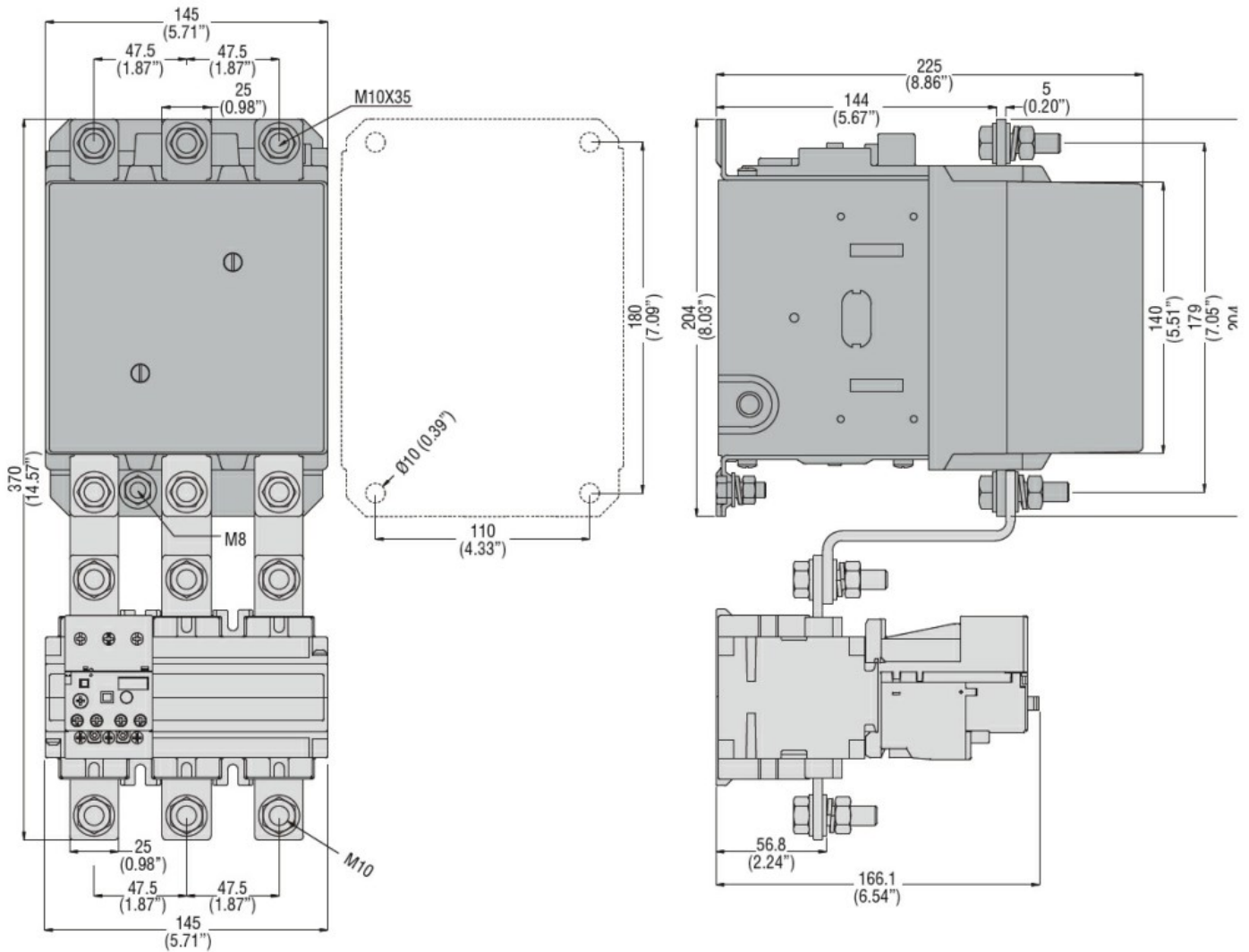
General USE

Contactor	AC current	A	550
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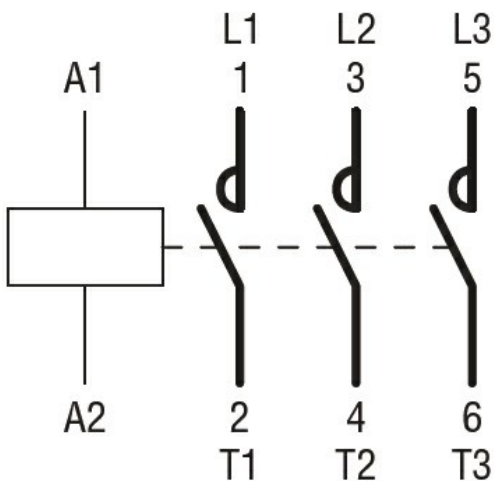
Other features

Pollution degree	3
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Dimensions



Wiring diagrams



Certifications and compliance

Certifications

- 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

Compliance

CCC

cULus

EAC

ETIM 6 classification

EC000066 - Power contactor, AC switching