



Product designation			Power contactor
Product type designation			B400
Contact characteristics		Nie	2
Number of poles		Nr. V	3
Rated insulation voltage Ui IEC/EN		kV	1000 8
Rated impulse withstand voltage Uimp Operational frequency		KV	0
Operational frequency	min	Hz	25
	max	⊓z Hz	400
IEC Conventional free air thermal current Ith	IIIax	A	550
Operational current le			
Operational current to	AC-1 (=40°C)	Α	550
	AC-1 (=55°C)	A	430
	AC-1 (=70°C)	Α	360
	AC-3 (=440V =55°C)	A	420
	AC-4 (400V)	Α	200
Rated operational power AC-3 (T=55°C)	7.0 . (.001)		
······································	230V	kW	130
	400V	kW	225
	415V	kW	247
	440V	kW	263
	500V	kW	271
	690V	kW	352
	1000V	kW	208
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	A	
150	460V	Α	
IEC max current le in DC1 with L/R = 1ms with 2 poles in series	751/	۸	400
	75V	A	400
	110V 220V	A	400
	330V	A A	350
	460V	A	
IEC max current le in DC1 with L/R = 1ms with 3 poles in series	400 V		·
120 max outfolk to in 201 with 211 - 1115 with 5 poles in selles	75V	Α	400
	110V	A	400
	220V	A	400
	220 V	, ,	.00



	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
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	Α	
	460V	Α	
IEC max current le in DC3-DC5 with L/R = 15ms with 3 poles in series			
	75V	Α	350
	110V	Α	350
	220V	Α	350
	330V	Α	280
	460V	A	
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		_	4000
	440V	Α	4000
	500V	A	3400
Decision of the control of the contr	690V	Α	3360
Resistance per pole (average value)		m?	0.2
Power dissipation per pole (average value)			
	Ith	W	52
This is a few to the second of	AC3	W	32
Tightening torque for terminals			0.5
	min	Nm	35
	max ·	Nm	35
	min	lbin	25.8
	max	Ibin	25.8
Tightening torque for coil terminal			
	min	Nm	1
	max	Nm	1



		min	Ibin	0.74
		max	Ibin	0.74
Max number of wires s	simultaneously connectable		Nr.	2
Conductor section				
	AWG/Kcmil			
		max		2x 300 kcmil
	tion according to IEC/EN 60529			IP00
Mechanical features				
Operating position				
		normal		Vertical plan
		allowable		±30°
Fixing				Screw
Weight			g	9600
Conductor section				
	AWG/kcmil conductor section			
		max		2x 300 kcmil
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
		mechanical load	cycles	10000000
Mirror contats according	ng to IEC/EN 609474-4-1			yes
EMC compatibility				yes
AC coil operating				
Datad AC valtage at F				
Rated AC voltage at 5	0/60Hz, 60Hz			
Rated AC voltage at 5	0/60Hz, 60Hz	min	V	220
Rated AC voltage at 5	0/60Hz, 60Hz	min max	V V	220 240
	0/60Hz, 60Hz			
	of 50/60Hz coil powered at 50Hz			
			V	
	of 50/60Hz coil powered at 50Hz		V %Us	240 80
	of 50/60Hz coil powered at 50Hz	max	V	240
	of 50/60Hz coil powered at 50Hz	max	V %Us %Us	80 110
	of 50/60Hz coil powered at 50Hz pick-up	max	V %Us %Us %Us	80 110 20
	of 50/60Hz coil powered at 50Hz pick-up drop-out	max min max	V %Us %Us	80 110
	of 50/60Hz coil powered at 50Hz pick-up	max min max min	V %Us %Us %Us	80 110 20
	of 50/60Hz coil powered at 50Hz pick-up drop-out	max min max min	V %Us %Us %Us %Us	80 110 20 60
	of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz	max min max min	V %Us %Us %Us %Us %Us	80 110 20
	of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz pick-up	max min max min max	V %Us %Us %Us %Us	80 110 20 60
	of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz	max min max min max	V %Us %Us %Us %Us %Us	80 110 20 60
	of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz pick-up	max min max min max	%Us %Us %Us %Us %Us %Us	80 110 20 60 80 110 20
	of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz pick-up	min max min max min max	%Us %Us %Us %Us %Us	80 110 20 60 80 110
	of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz pick-up	min max min max min max min max min min max	%Us %Us %Us %Us %Us %Us	80 110 20 60 80 110 20
	of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz pick-up drop-out	min max min max min max min max min min max	%Us %Us %Us %Us %Us %Us	80 110 20 60 80 110 20
	of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz pick-up drop-out of 60Hz coil powered at 60Hz	min max min max min max min max min min max	%Us %Us %Us %Us %Us %Us	80 110 20 60 80 110 20
	of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz pick-up drop-out of 60Hz coil powered at 60Hz	min max min max min max min max min max	%Us %Us %Us %Us %Us %Us %Us	80 110 20 60 80 110 20 60
	of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz pick-up drop-out of 60Hz coil powered at 60Hz	min max min max min max min max min max min max	%Us %Us %Us %Us %Us %Us %Us	80 110 20 60 80 110 20 60
AC operating voltage	of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz pick-up drop-out of 60Hz coil powered at 60Hz pick-up	min max min max min max min max min max min max	%Us %Us %Us %Us %Us %Us %Us	80 110 20 60 80 110 20 60

AC average coil consumption at 20°C

of 50/60Hz coil powered at 50Hz

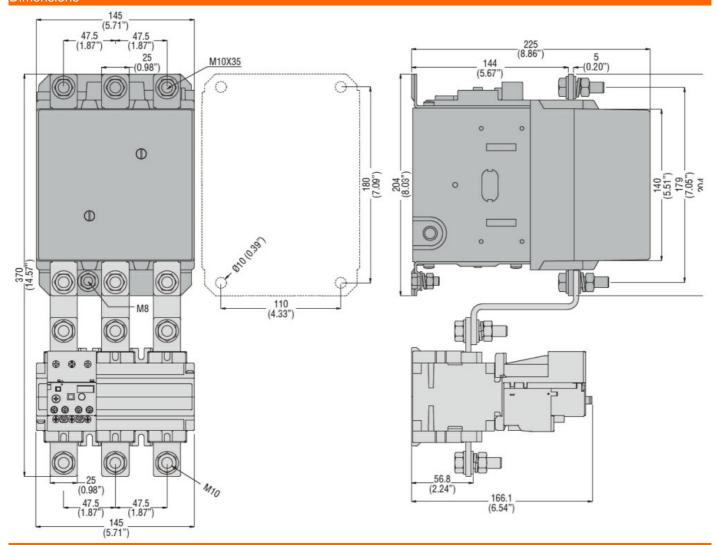


			in-rush	VA	300
			holding	VA	10
	of 50/60Hz coil pow	ered at 60Hz			_
			in-rush	VA	300
			holding	VA	10
Dissipation at holding	=20°C 50Hz			W	10
DC coil operating					
DC rated control voltage	ge				
`	,		min	V	220
			max	V	240
DC operating voltage			max	•	
Do operating vertage	pick-up				
	plott up		min	%Us	80
			max	%Us	110
	drop-out		IIIdA	7003	110
	drop-out		min	%Us	20
				%Us	60
Average coil consump	tion =20°C		max	/005	00
Average con consump	11011 -20 C		in-rush	W	300
May avalog from an and			holding	W	10
Max cycles frequency					0.400
Mechanical operation				cycles/h	2400
Operating times					
Average time for Us co					
	in AC	0			
		Closing NO			00
			min	ms	80
		0 1 110	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	to the second				
Full-load current (FLA)	for three-phase AC r	notor			
			at 480V	Α	414
			at 600V	Α	382
Yielded mechanical pe					
	for three-phase AC	motor			
			200/208V	HP	125
			220/230V	HP	150
			460/480V	HP	350
			575/600V	HP	400
General USE					
	Contactor				
			AC current	Α	550
Short-circuit protection					
	Standard fault				
			Short circuit current	kA	18



		Fuse rating	Α	800
		Fuse class		L
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-50
		max	°C	70
	Storage temperature			
		min	°C	-60
		max	°C	80
Max altitude			m	3000
Resistance & Protection	on			
Pollution degree				3

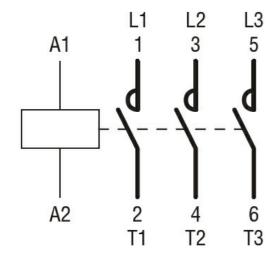
Dimensions



Wiring diagrams

ENERGY AND AUTOMATION

THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 420A, AC/DC COIL, 220...240VAC/DC



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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

ETIM 8.0

EC000066 -Power contactor, AC switching