



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	A	
	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



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THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 420A, AC/DC COIL, 110...125VAC/DC

	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	lbin	0.74
		max	Ibin	0.74
	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	9620
Conductor section				
	AWG/kcmil conductor section			
		max		2x 300 kcmil
Operations				1000000
Mechanical life			cycles	10000000
Electrical life			cycles	700000
Safety related data	21 - 1 - 1 - 1 - 1 - 1 - 1			
Performance level B10	0d according to EN/ISO 13489-1	<u></u>	_	
		rated load	cycles	700000
		mechanical load	cycles	10000000
	ng to IEC/EN 609474-4-1			yes
EMC compatibility				yes
AC coil operating				
Rated AC voltage at 5	0/60Hz, 60Hz			
		min	V	110
		max	V	125
AC operating voltage			•	.20
	(= 0 / 0 0 1			
	of 50/60Hz coil powered at 50Hz			120
	of 50/60Hz coil powered at 50Hz pick-up			
	•	min	%Us	80
	pick-up			
	•	min max	%Us %Us	80 110
	pick-up	min max min	%Us %Us %Us	80 110 20
	pick-up drop-out	min max	%Us %Us	80 110
	pick-up drop-out of 50/60Hz coil powered at 60Hz	min max min	%Us %Us %Us	80 110 20
	pick-up drop-out	min max min max	%Us %Us %Us %Us	80 110 20 60
	pick-up drop-out of 50/60Hz coil powered at 60Hz	min max min max min	%Us %Us %Us %Us	80 110 20 60
	of 50/60Hz coil powered at 60Hz pick-up	min max min max	%Us %Us %Us %Us	80 110 20 60
	pick-up drop-out of 50/60Hz coil powered at 60Hz	min max min max min max	%Us %Us %Us %Us %Us	80 110 20 60 80 110
	of 50/60Hz coil powered at 60Hz pick-up	min max min max min max min	%Us %Us %Us %Us %Us	80 110 20 60 80 110 20
	of 50/60Hz coil powered at 60Hz pick-up drop-out	min max min max min max	%Us %Us %Us %Us %Us	80 110 20 60 80 110
	of 50/60Hz coil powered at 60Hz pick-up drop-out drop-out	min max min max min max min	%Us %Us %Us %Us %Us	80 110 20 60 80 110 20
	of 50/60Hz coil powered at 60Hz pick-up drop-out	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 60Hz pick-up drop-out drop-out	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 60Hz pick-up drop-out drop-out of 60Hz coil powered at 60Hz pick-up	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 60Hz pick-up drop-out drop-out	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 60Hz pick-up drop-out drop-out of 60Hz coil powered at 60Hz pick-up	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

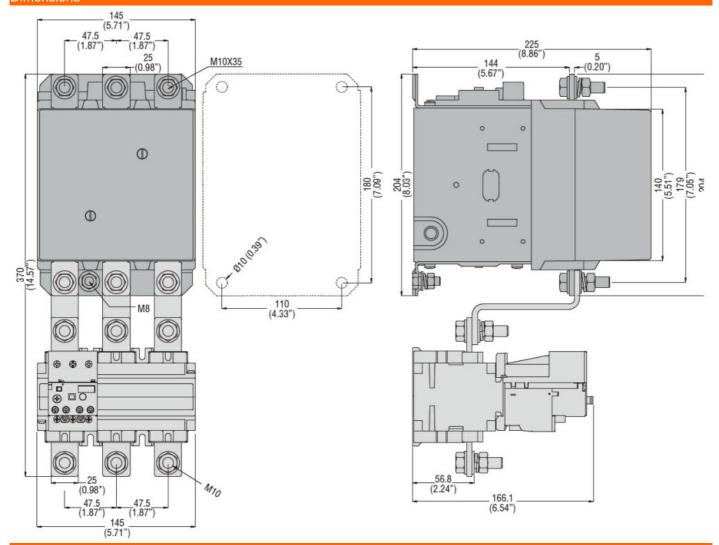


			in-rush	VA	300
			holding	VA	10
	of 50/60Hz coil pow	ered at 60Hz	<u> </u>		
			in-rush	VA	300
			holding	VA	10
Dissipation at holding	−20°C 50Hz		Holding	W	10
DC coil operating	-20 C 30HZ			VV	10
DC rated control voltage	ge				
			min	V	110
			max	V	125
DC operating voltage					
	pick-up				
			min	%Us	80
			max	%Us	110
	drop-out				
	а. ор оа.		min	%Us	20
			max	%Us	60
Averes as asil serious	tion -20°C		IIIAX	/003	00
Average coil consump	111011 –20 C			147	000
			in-rush	W	300
			holding	W	10
Max cycles frequency					
Mechanical operation				cycles/h	2400
Operating times					
Average time for Us co	ontrol				
ŭ	in AC				
		Closing NO			
		Clooking 140	min	ms	80
					120
		Opening NO	max	ms	120
		Opening NO			00
			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 n	notor			
r an road ourrent (r LA)	, ioi unoc phase Ao II	10.01	at 480V	Α	414
Violate at 100 a			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					
Contoral COL					
Contrar CCL	Contactor				
Contral COL	Contactor		AC current	А	550
			AC current	Α	550
Short-circuit protection	n fuse, 600V		AC current	Α	550
			AC current Short circuit current	A kA	18



		Fuse rating Fuse class	Α	800 L
Ambient conditions		1 430 61433		_
Temperature				
	Operating temperature			
		min	°C	-50
		max	°C	70
	Storage temperature			_
		min	°C	-60
		max	°C	80
Max altitude			m	3000
Resistance & Protecti	ion			
Pollution degree				3

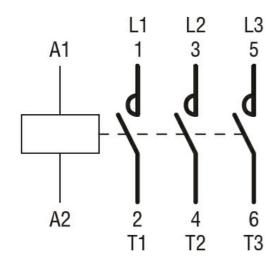
Dimensions



Wiring diagrams

ENERGY AND AUTOMATION

THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 420A, AC/DC COIL, 110...125VAC/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