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



Rated insulation voltage Ui  Rated impulse withstand voltage Uimp  Operating frequency  Operational frequency min Operational frequency max Hz	Product type designation			B400
Rated insulation voltage Ui         V         1000           Rated impulse withstand voltage Uimp         kV         8           Operating frequency         Operational frequency min	Contact characteristics			
Rated impulse withstand voltage Ulimp         kV         8           Operating frequency         Operational frequency min April 2 (25 operational	Number of poles			3
Operating frequency         Hz         25           Operational frequency max         Hz         400           Conventional free air thermal current lth         A         550           Operating current         Operational current AC3 (≤440V ≤55°C)         A         420           Operational current AC4 (400V)         A         133           Short-time allowable current for 10s (IEC/EN60947-1)         A         3600           Protection fuse         gG (IEC)         A         630           Making capacity (RMS value)         A         400         A           Breaking capacity 440V         A         400         A           Making capacity at voltage         Breaking capacity 440V         A         300           Breaking capacity 500V         A         3400         A           Breaking capacity 690V         A         3360         M           Resistance per pole (average value)         Power dissipation pole (average value) Ith         W         52           AC3         W         32         Tightening torque for terminals         min         Nm         35           Tightening torque for coil terminal         min         Nm         1         max         10ft         25.8           Tightenin	Rated insulation voltage Ui			
Operational frequency min   Hz   25	Rated impulse withstand voltage Uimp		kV	8
Operational frequency max   Hz   400	Operating frequency			
Conventional free air thermal current lth         A         550           Operating current         Operatinal current AC3 (≤440V ≤55°C) A 133         A 420 Operational current AC4 (400V) A 133           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 440V A Breaking capacity 440V A Breaking capacity 500V A 3360         A 3400 Breaking capacity 690V A 3360           Resistance per pole (average value)         mΩ 0.2           Power dissipation per pole (average value)         Power dissipation pole (average value) Ith AC3 W 32           Tightening torque for terminals         min Nm 35 max Nm 35 min Ibft 25.8 max Nm 16 min Ibft 0.74 max Ibft 0			Hz	25
Operating current         Operating current AC3 (≤440V ≤55°C)         A 420           Operational current AC4 (400V)         A 133           Short-time allowable current for 10s (IEC/EN60947-1)         A 3600           Protection fuse         gG (IEC)         A 630           Making capacity (RMS value)         A 4000           Breaking capacity 440V         A 4000           Breaking capacity 500V         A 3400           Breaking capacity 690V         A 3360           Resistance per pole (average value)         mΩ         0.2           Power dissipation pel (average value) Ith AC3         W 52           AC3         W 32           Tightening torque for terminals         min Nm 35         35           min Ibft 25.8         25.8           Tightening torque for coil terminal         min Nm 1         1           max Nm 1         1         1           min n Nm 1         1         1           max Nm 1         1         1	7	Operational frequency max		
Operational current AC3 (≤440V ≤55°C)			Α	550
Operational current AC4 (400V)	Operating current			
Short-time allowable current for 10s (IEC/EN60947-1)         A 3600           Protection fuse         gG (IEC) A 630 aM (IEC) A 4400           Making capacity (RMS value)         A 4200           Breaking capacity at voltage         Breaking capacity 440V A 3400 Breaking capacity 500V A 3360           Resistance per pole (average value)         mΩ 0.2           Power dissipation per pole (average value)         Power dissipation pole (average value) Ith W 32           Tightening torque for terminals         min Nm 35 max Nm 35 min 1bft 25.8           Tightening torque for coil terminal         min Nm 1 max Nm 1 min 1bft 0.74 max 1bft 0.74 max 1bft 0.74 max 1bft 0.74 max 1cm	Оре	· · · · · · · · · · · · · · · · · · ·		
Protection fuse		• • • • • • • • • • • • • • • • • • • •		
Making capacity (RMS value)	,		Α	3600
Making capacity (RMS value)	Protection fuse			
Making capacity (RMS value)         A         4200           Breaking capacity at voltage         Breaking capacity 440V A 3400 Breaking capacity 500V A 3400 Breaking capacity 690V A 3360         A 3400 Breaking capacity 690V A 3360           Resistance per pole (average value)         mΩ 0.2         0.2           Power dissipation per pole (average value) Ith AC3 W 32         W 52 AC3 W 32         W 32           Tightening torque for terminals         min Nm 35 Max Nm 35 Max Nm 35 Max Nm 35 Max Nm 16tft 25.8         Max Nm 16tft 25.8           Tightening torque for coil terminal         min Nm 1 Max Nm 1				
Breaking capacity at voltage   Breaking capacity 440V		aM (IEC)		
Breaking capacity 440V			Α	4200
Breaking capacity 500V	Breaking capacity at voltage		-	
Breaking capacity 690V		<b>.</b> , ,		
Resistance per pole (average value)   mΩ   0.2		- · · · · · · · · · · · · · · · · · · ·		
Power dissipation per pole (average value)	Designation of the second of	Breaking capacity 690V		
Power dissipation pole (average value) Ith   W   52     AC3   W   32     Tightening torque for terminals			mΩ	0.2
AC3 W 32	,	. Parkarda a ala Zanasa a ala Ald	107	50
Tightening torque for terminals    min   Nm   35   max   Nm   35   min   lbft   25.8   max   lbft   25.8	Powe			
Min   Nm   35   max   Nm   35   min   lbft   25.8   max   lbft	Tightening to you of an to you all	AU3	VV	32
Max Nm 35   min lbft 25.8   max lbft 25.8	rightening torque for terminals	min	Nimo	25
Min   Ibft   25.8   max   Ibft   25.8				
Max   Ibft   25.8				
Tightening torque for coil terminal    min   Nm   1   max   Nm   1   min   lbft   0.74   max   lbft   0.74				
Min Nm 1   Max Nm 1   Min   Min	Tightening torque for coil terminal	max	IDIL	20.0
max   Nm   1   min   lbft   0.74   max   lbft	rightening torque for con terminal	min	Nm	1
Max altitude				
max         lbft         0.74           Ambient conditions           Temperature           Operating temperature         min         °C         -50           max         °C         70           Storage temperature         min         °C         -60           max         °C         80           Max altitude         m         3,000				
Ambient conditions           Temperature         Operating temperature         min °C -50 max °C 70           Storage temperature         min °C -60 max °C 80           Max altitude         m 3,000				
Operating temperature	Ambient conditions		ibit	0.17
Operating temperature           min         °C         -50           max         °C         70           Storage temperature         min         °C         -60           max         °C         80           Max altitude         m         3,000				
min %C -50 max %C 70           Storage temperature         min %C -60 max %C 80           Max altitude         m 3,000	•			
max         °C         70           Storage temperature         min         °C         -60           max         °C         80           Max altitude         m         3,000	Sporating temperature	min	°C	-50
Storage temperature  min °C -60 max °C 80  Max altitude  m 3,000				
min °C -60 max °C 80 Max altitude m 3,000	Storage temperature	тах		<b>~</b>
max         °C         80           Max altitude         m         3,000	Storage temperature	min	°C	-60
Max altitude m 3,000				
•	Max altitude	THOX:		
				- 1

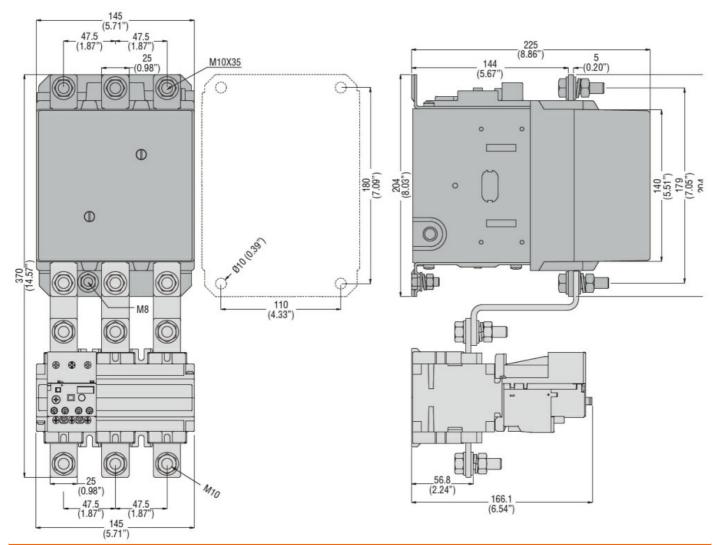




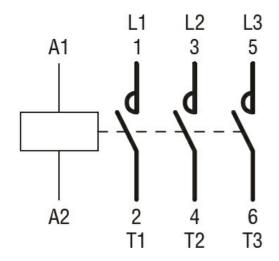
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	normal		Vertical plan
	allowable		±30°
Mounting			Screw / DIN rail 35mm
Weight		g	9.575
Operations			
Mechanical life		Cycles	10,000,000
Electrical life		Cycles	700000
Safety related data			
Mirror contats according to IEC/EN 609474-4-1			Yes
EMC compatibility			Yes
AC coil operating			
Rated AC voltage at 50/60Hz, 60Hz			
	min	V	24
	max	V	480
AC operating voltage			
of 50/60Hz coil powered at 50Hz			
pick-up			
	min	%Us	80
	max	%Us	110
DC coil operating			
DC operating voltage			
Average coil consuption ≤20°C			
	in-rush	W	300
	holding	W	10
Max cycles frequency			
Mechanical operations		Cycles/h	3,600
Dimensions			

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#### 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





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	UL 60947-4-1	
Compliance		
	CCC	
	cULus	
	EAC	

ETIM 6 classification

EC000066 - Power contactor, AC switching