

## electric FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 800A, AC/DC COIL, 220... 240VAC/DC **ENERGY AND AUTOMATION**



Number of poles         nr.         3           Rated insulation voltage Ui         V         1000           Rated insulation voltage Uimp         kV         8           Operating frequency         Operational frequency min         Hz         25           Operational frequency max         Hz         400           Conventional free air thermal current Ith         A         800           Operating current         Operational current AC3 (s440V ≤55°C)         A         630           Operational current AC4 (400V)         A         210           Short-time allowable current for 10s (IEC/EN60947-1)         A         5040           Protection fuse         gG (IEC)         A         630           Protection fuse         gG (IEC)         A         6300           Breaking capacity (RMS value)         A         6300           Breaking capacity (RMS value)         A         6300           Breaking capacity (RMS value)         A         6300           Resistance per pole (average value)         mΩ         0.14           Power dissipation per pole (average value)         mΩ         0.14           Power dissipation pole (average value)         min         Nm         55           max         Nm         55<	Product type designation		B630
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	Number of poles	nr.	3
Operating frequency	Rated insulation voltage Ui	V	1000
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         800           Operating current         Operatinal current AC3 (≤440V ≤55°C)         A         630           Short-time allowable current for 10s (IEC/EN60947-1)         A         5040           Protection fuse         gG (IEC)         A         1000           AMAKing capacity (RMS value)         Breaking capacity 440V         A         6300           Breaking capacity at voltage         Breaking capacity 500V         A         6500           Breaking capacity 690V         A         5600           Breaking capacity 690V         A         5600           Breaking capacity 690V         A         5000           Resistance per pole (average value)         mΩ         0.14           Power dissipation per pole (average value)         mΩ         0.14           Power dissipation per pole (average value)         mX         56           Tightening torque for terminals         min         Nm         55           min         Ibft         40.6         40.6           Tightening torque for coil terminal         min         Nm         1           Infinity to 0.74         max         1bft         0.74           Ambient conditions         min         °C <t< td=""><td>Operational frequency min</td><td>Hz</td><td>25</td></t<>	Operational frequency min	Hz	25
Operating current         Operating current AC3 (≤440V ≤55°C)         A         630           Operational current AC4 (400V)         A         210           Short-time allowable current for 10s (IEC/EN60947-1)         A         5040           Protection fuse         gG (IEC)         A         1000           aM (IEC)         A         630           Making capacity (RMS value)         A         6300           Breaking capacity at voltage         Breaking capacity 440V         A         6300           Breaking capacity 500V         A         5600         Breaking capacity 690V         A         5000           Resistance per pole (average value)         m0         0.14         0.14         0.14           Power dissipation pole (average value) Ith AC3         W         90         0.04         0.04         0.04         0.04         0.04         0.04         0.04         0.04         0.04         0.04         0.06         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00	Operational frequency max	Hz	400
Operational current AC3 (≤440V ≤55°C)	Conventional free air thermal current Ith	Α	800
Operational current AC4 (400V)	Operating current		
Short-time allowable current for 10s (IEC/EN60947-1)	Operational current AC3 (≤440V ≤55°C)	Α	630
Protection fuse	Operational current AC4 (400V)	Α	210
Protection fuse	Short-time allowable current for 10s (IEC/EN60947-1)	Α	5040
Making capacity (RMS value)	Protection fuse		
Making capacity (RMS value)		Α	1000
Making capacity (RMS value)   Breaking capacity 440V   A 6300		Α	
Breaking capacity at voltage   Breaking capacity 440V	Making capacity (RMS value)		
Breaking capacity 440V			
Breaking capacity 500V   A   5600		Α	6300
Breaking capacity 690V   A   5000			
Resistance per pole (average value)   mΩ   0.14	· · · · · · · · · · · · · · · · · · ·		
Power dissipation per pole (average value)			
Power dissipation pole (average value) Ith   W   90     AC3   W   56     Tightening torque for terminals			
AC3 W 56	· · · · · · · · · · · · · · · · · · ·	W	90
Tightening torque for terminals    min   Nm   55     max   Nm   55     min   lbft   40.6     max   lbft   40.6     max   Nm   1     max   Nm   1     max   Nm   1     max   Nm   1     min   lbft   0.74     max   lbft   0.74     min   °C   -50     max   °C   70     Storage temperature     min   °C   -60     max   °C   80     Max altitude   m   3,000			
Min   Nm   55   max   Nm   55   max   Nm   55   min   lbft   40.6   max   Nm   1   max   Nm   1   max   lbft   0.74   max   lbft   lbft   0.74   max   lbft   lbft			
Max Nm   55   min   lbft   40.6   max   lbft		Nm	55
Min			
Max   Ibft   40.6			
Tightening torque for coil terminal			
Min Nm 1   Max Nm 1   Min   Nm 1   Min   Nm 1   Min   Nm   Nm   Nm   Nm   Nm   Nm   Nm   N			
max   Nm   1   min   lbft   0.74   max   lbft		Nm	1
min max         lbft lbft lbft lbft lbft lbft lbft lbft			
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		1.2.1	
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		°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			<del>-</del>
max         °C         80           Max altitude         m         3,000	<b>5</b> .	°C	-60
Max altitude m 3,000			
·			
NAME AND	Operating position		-,000

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## electric FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 800A, AC/DC COIL, 220... 240VAC/DC

	g Cycles Cycles	Screw / DIN rail 35mm 18.62 5,000,000
	Cycles	18.62 5,000,000
	Cycles	
		700000
		Yes
		Yes
min	V	48
max	V	480
min	%Us	80
max	%Us	110
in-rush	W	400
holding	W	18
ŭ		
	Cycles/h	3,600
(6.99°)	263 (10.35")	(0.24°)
	min max in-rush holding	min %Us max %Us  in-rush W holding W  Cycles/h

CONTACTOR TYPE	Α	В	C
B500	M10	35 (1.38")	265 (10.43*)
B630	M12	40 (1.57")	270 (10.63*)

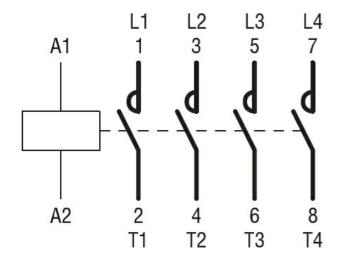
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## Wiring diagrams

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electric FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 800A, AC/DC COIL, 220... 240VAC/DC



Certifications and com	unliance
Certifications	phanoo
	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