

Product Data Sheet Characteristics

Magnetic Contactor

HGC100

General Information & Ratings

Product Code	HGC100		
Maximum Current	100A		
Continuous Current (Ambient Temperature 104°F/40°C)	145A		
Number of Poles	3P		
Coil Voltage (Control Voltage)	AC (50Hz)	AC (60Hz)	DC
	24V	24V	24V
	48V	48V	48V
	110V	110V	110V
	125V	125V	125V
	208V	208V	220V
	240V	240V	
	380V	380V	
	480V	480V	
	575V	575V	
Rated Frequency [Hz]	50 / 60Hz		
Contact Arrangement	Main contact (3NO)		
Auxiliary Contacts	Auxiliary Contact (2NO 2NC)		
Mounting Method	2NO 2NC (Vac), 2NO 1NC (Vdc)		
Terminal Type	Screw & Rail Mounting		
	Screw Clamp Terminals		

Characteristics

Mechanical Durability (60Hz)	10,000,000 cycles		
Electrical Durability (60Hz)	2,000,000 cycles		
Power Consumption (AC220V/60Hz)	Closed	VA	300
	Maintained	VA/W	25/10
UL Ratings [HP]	1P	110~120V	10
		220~240V	20
	3P	200~208V	30
		220~240V	40
		440~480V	75
		600V	75

Environment

Ambient air temperature for operation	-5 °C to 40 °C (23°F to 104°F)
Altitude above sea level	≤ 2,000 m (6,562 ft)
Relative humidity to be within	45 to 85 %

Standards & Certifications

Certification	UL60947-4
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Dimension & Installation

Product, inch (Width x Height x Depth)	X, A	2.76 x 5.75 x 6.02
	D	2.76 x 5.75 x 6.02
Individual Box Packing, inch (Width x Height x Depth)	X, A	3.11 x 6.10 x 6.46
	D	
Weight (lb)	X, A	2.87
	D	2.87
Country of Origin	South Korea	

