

Product Data Sheet

DC1500V Switch Disconnecter

HGL 40H

General Information & Ratings

Product Code	HGL40 (H Frame)
Rated Current [In max, 40°C]	4,000A
Number of Poles	3, 4P
Operation Temperature	-4°F to +140°F (-20°C to +60°C)
Installation Type	Fixed Type Draw-Out Type

Characteristics

Rated Nominal Voltage	1,250Vdc (4P) / 800Vdc (3P)
Rated Maximum Voltage	1,500Vdc (4P) / 1,000Vdc (3P)
Short Circuit Withstand Current [kA]	1s 0.6s
	100 150
Rated Short Circuit Making Capacity [Icm]	100 (kA, peak)
Motor Charging Time (sec) max	10
Closing Time (ms) max	80
Life Cycle (Cycles)	Mechanical Electrical
	12,500 2,000
Material of Main Contacts	Ag
Material of Arcing Contacts	Cu
Operating Time For Shunt Trip Coil (fully open)	35 ms
Operation Time Closing Coil (fully open)	80 ms

Environment

Altitude above sea level	≤ 2000m
Relative humidity to be within	≤ 85%

Standards & Certifications

Certification	UL 489, UL 489B
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Dimension & Installation

Fixed Type (3P)	Width (inch)	16.71	
	Height (inch)	15.92	
	Depth (inch)	11.65	
	Weight (lb)	117	
Draw-out Type (3P)	Width (inch)	15.71	
	Height (inch)	19.17	
	Depth (inch)	16.54	
	Weight (lb)	220	
Phase-to-Phase Clearance (inch)		Vertical type	3.35
Phase-to-Ground Clearance (inch)		Vertical type	3.35
Main Contact Gap (mm)		30	
Arcing Contact Gap (mm)		36	
Country of Origin		South Korea	

