

# Product Data Sheet

## DC1500V Switch Disconnecter

### HGL 16K

#### General Information & Ratings

|                              |                                 |
|------------------------------|---------------------------------|
| Product Code                 | HGL16 (K Frame)                 |
| Rated Current [In max, 40°C] | 1,600A                          |
| Number of Poles              | 3, 4P                           |
| Operation Temperature        | -4°F to +140°F (-20°C to +60°C) |
| Installation Type            | Fixed Type<br>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         | 85                            |
|                                                 | 0.6s       | -                             |
| Rated Short Circuit Making Capacity [Icm]       |            | 100 (kA, peak)                |
| Motor Charging Time (sec) max                   |            | 10                            |
| Closing Time (ms) max                           |            | 80                            |
| Life Cycle (Cycles)                             | Mechanical | 12,500                        |
|                                                 | Electrical | 1,000                         |
| 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 |
|---------------|-----------------|

#### Dimension & Installation

|                                  |               |               |      |
|----------------------------------|---------------|---------------|------|
| Fixed Type (3P)                  | Width (inch)  | 13.91         |      |
|                                  | Height (inch) | 15.92         |      |
|                                  | Depth (inch)  | 11.65         |      |
|                                  | Weight (lb)   | 88            |      |
| Draw-out Type (3P)               | Width (inch)  | 12.91         |      |
|                                  | Height (inch) | 19.17         |      |
|                                  | Depth (inch)  | 16.54         |      |
|                                  | Weight (lb)   | 161           |      |
| 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   |      |

