

# HDL36125SD

Circuit breaker, PowerPacT H, 125A, 3 pole, 600VAC, 14kA, lugs, thermal magnetic, 80%, shunt



## Main

|                           |                 |
|---------------------------|-----------------|
| Range                     | PowerPacT       |
| Product name              | PowerPacT H     |
| Product or Component Type | Circuit breaker |
| Device Application        | Distribution    |

## Complementary

|                                        |                                                                                                                                                                                                  |
|----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Line Rated Current                     | 125 A                                                                                                                                                                                            |
| Number of Poles                        | 3P                                                                                                                                                                                               |
| Protected poles description            | 3t                                                                                                                                                                                               |
| Control Type                           | Toggle                                                                                                                                                                                           |
| Breaking capacity code                 | D                                                                                                                                                                                                |
| Breaking capacity                      | 25 KA 240 V AC 50/60 Hz UL 489<br>18 KA 480 V AC 50/60 Hz<br>14 KA 600 V AC 50/60 Hz<br>20 kA 250 V DC                                                                                           |
| [Ue] rated operational voltage         | 690 V AC 50/60 Hz IEC 60947-3                                                                                                                                                                    |
| Network Frequency                      | 50/60 Hz                                                                                                                                                                                         |
| [Ics] rated service breaking capacity  | 25 KA 220/240 V AC 50/60 Hz IEC 60947-2<br>18 KA 380/440/415 V AC 50/60 Hz IEC 60947-2<br>14 KA 500/525 V AC 50/60 Hz IEC 60947-2<br>20 KA 250 V DC IEC 60947-2<br>20 kA 500 V DC IEC 60947-2    |
| [Uimp] rated impulse withstand voltage | 8 kV IEC 60947-2                                                                                                                                                                                 |
| Trip unit technology                   | Thermal-magnetic                                                                                                                                                                                 |
| Magnetic tripping current              | 1700 A                                                                                                                                                                                           |
| Magnetic hold current                  | 900 A                                                                                                                                                                                            |
| Continuous current rating              | 80 %                                                                                                                                                                                             |
| [Ui] rated insulation voltage          | 750 V IEC 60947-2                                                                                                                                                                                |
| Accessory / separate part type         | Shunt trip 220...240 V AC compartment                                                                                                                                                            |
| Suitability for isolation              | Yes IEC 60947-2                                                                                                                                                                                  |
| Utilisation category                   | Category A                                                                                                                                                                                       |
| AWG gauge                              | AWG 14...AWG 3/0 aluminium/copper terminal                                                                                                                                                       |
| Local signalling                       | Switched off (OFF) 1 trip indicator green)                                                                                                                                                       |
| Mounting mode                          | Unit mount lug)                                                                                                                                                                                  |
| Mounting Support                       | Lug                                                                                                                                                                                              |
| Electrical connection                  | Lugs line<br>Lugs load                                                                                                                                                                           |
| Terminal identifier                    | AL150HD                                                                                                                                                                                          |
| Tightening torque                      | 44.25 Lbf.in (5 N.m) 0.00...0.01 in <sup>2</sup> (2.5...6 mm <sup>2</sup> ) (AWG 14...AWG 10)<br>123.91 lbf.in (14 N.m) 0.02...0.15 in <sup>2</sup> (10...95 mm <sup>2</sup> ) (AWG 8...AWG 3/0) |

|                             |                                                                                                                                               |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| Number of slots             | 2 auxiliary switch OF plug-in)<br>1 alarm switch SD plug-in)<br>1 overcurrent trip switch SDE plug-in)<br>1 voltage release MN or MX plug-in) |
| Power wire stripping length | 0.63 in (16 mm)                                                                                                                               |
| Color                       | Black                                                                                                                                         |
| Height                      | 6.42 in (163 mm)                                                                                                                              |
| Width                       | 4.09 in (104 mm)                                                                                                                              |
| Depth                       | 3.39 in (86 mm)                                                                                                                               |
| Net Weight                  | 4.85 lb(US) (2.2 kg)                                                                                                                          |
| Quantity per Set            | 1                                                                                                                                             |
| Communication interface     | Modbus<br>Ethernet                                                                                                                            |
| Circuit breaker application | HACR rated                                                                                                                                    |

## Environment

|                                       |                                                                |
|---------------------------------------|----------------------------------------------------------------|
| Quality labels                        | CE                                                             |
| Standards                             | UL<br>CSA<br>NEMA<br>NOM-003-SCFI-2000<br>IEC 60947-2          |
| Product certifications                | UL<br>CSA<br>NOM                                               |
| IP degree of protection               | Front cover IP40 IEC 60529                                     |
| Pollution degree                      | 3 IEC 60947-1                                                  |
| Ambient Air Temperature for Operation | 28...158 °F (-2...70 °C)                                       |
| Ambient Air Temperature for Storage   | -58...185 °F (-50...85 °C)                                     |
| Operating altitude                    | < 6561.68 ft (2000 m) without derating<br>5000 m with derating |

## Ordering and shipping details

|                   |                                    |
|-------------------|------------------------------------|
| Category          | 01110-HD,JD UNIT MT BREAKER/SWITCH |
| Discount Schedule | DE2                                |
| GTIN              | 785901668022                       |
| Returnability     | No                                 |
| Country of origin | US                                 |

## Packing Units

|                              |                        |
|------------------------------|------------------------|
| Unit Type of Package 1       | PCE                    |
| Number of Units in Package 1 | 1                      |
| Package 1 Height             | 5.13 in (13.018 cm)    |
| Package 1 Width              | 7.25 in (18.415 cm)    |
| Package 1 Length             | 8.44 in (21.433 cm)    |
| Package 1 Weight             | 5.00 lb(US) (2.268 kg) |

## Offer Sustainability

|                            |                                                                                                                                                                                                                                                                                                                                    |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status   | Green Premium product                                                                                                                                                                                                                                                                                                              |
| California proposition 65  | WARNING: This product can expose you to chemicals including: DINP, which is known to the State of California to cause cancer, and DIDP, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> |
| REACH Regulation           |  <a href="#">REACH Declaration</a>                                                                                                                                                                                                              |
| EU RoHS Directive          | Compliant  <a href="#">EU RoHS Declaration</a>                                                                                                                                                                                                  |
| Mercury free               | Yes                                                                                                                                                                                                                                                                                                                                |
| China RoHS Regulation      |  <a href="#">China RoHS Declaration</a>                                                                                                                                                                                                         |
| RoHS exemption information |  Yes                                                                                                                                                                                                                                            |

|                             |                                               |
|-----------------------------|-----------------------------------------------|
| Environmental Disclosure    | <a href="#">Product Environmental Profile</a> |
| Circularity Profile         | <a href="#">End Of Life Information</a>       |
| PVC free                    | Yes                                           |
| <b>Contractual warranty</b> |                                               |
| Warranty                    | 18 months                                     |