

# Product data sheet

Specifications



Circuit breaker, PowerPacT H,  
100A, 2 pole, 600VAC, 14kA, lugs,  
thermal magnetic, 80%

HDL26100

## Main

|                           |                 |
|---------------------------|-----------------|
| Range                     | PowerPact       |
| Product Name              | PowerPact H     |
| Product Or Component Type | Circuit breaker |
| Device Application        | Distribution    |

## Complementary

|                                        |                                                                                                                                                                                               |
|----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| [In] Rated Current                     | 100 A                                                                                                                                                                                         |
| Number Of Poles                        | 2P                                                                                                                                                                                            |
| Protected Poles Description            | 2t                                                                                                                                                                                            |
| 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                                                                                                                                                                             |
| Suitability For Isolation              | Yes IEC 60947-2                                                                                                                                                                               |
| Utilisation Category                   | Category A                                                                                                                                                                                    |
| Awg Gauge                              | AWG 14...AWG 3/0 aluminum/copper terminal                                                                                                                                                     |
| Local Signalling                       | Switched off (OFF) 1 trip indicator green)                                                                                                                                                    |
| Mounting Mode                          | Unit mount lug)                                                                                                                                                                               |
| Mounting Support                       | Lug                                                                                                                                                                                           |

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

|                             |                                                                                                                                               |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| Electrical Connection       | Lugs, line<br>Lugs, load                                                                                                                      |
| Terminal Identifier         | AL150HD                                                                                                                                       |
| Tightening Torque           | 44.25 lbf.in (5 N.m) 0.00...0.01 in² (2.5...6 mm²) AWG 14...AWG 10)<br>123.91 lbf.in (14 N.m) 0.02...0.15 in² (10...95 mm²) 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 | -13...158 °F (-25...70 °C)                            |
| Ambient Air Temperature For Storage   | -58...185 °F (-50...85 °C)                            |
| Operating Altitude                    | < 2000 m without derating<br>5000 m with derating     |

## Packing Units

|                              |                       |
|------------------------------|-----------------------|
| Unit Type Of Package 1       | PCE                   |
| Number Of Units In Package 1 | 1                     |
| Package 1 Height             | 5.70 in (14.478 cm)   |
| Package 1 Width              | 7.40 in (18.796 cm)   |
| Package 1 Length             | 8.60 in (21.844 cm)   |
| Package 1 Weight             | 3.04 lb(US) (1.38 kg) |

## Contractual warranty

|          |           |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|

Sustainability



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Transparency   RoHS/REACH

Well-being performance

|                                                              |                |
|--------------------------------------------------------------|----------------|
| <div><div>✓</div><div>Mercury Free</div></div>               |                |
| <div><div>✓</div><div>Rohs Exemption Information</div></div> | <div>Yes</div> |
| <div><div>✓</div><div>Pvc Free</div></div>                   |                |

Certifications & Standards

|                          |                                                                                                                                                    |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| Reach Regulation         | <div><a href="#">REACH Declaration</a></div>                                                                                                       |
| Eu Rohs Directive        | <div>Compliant with Exemptions</div>                                                                                                               |
| China Rohs Regulation    | <div><div><a href="#">China RoHS declaration</a></div><div>Product out of China RoHS scope. Substance declaration for your information</div></div> |
| Environmental Disclosure | <div><a href="#">Product Environmental Profile</a></div>                                                                                           |
| Circularity Profile      | <div><a href="#">End of Life Information</a></div>                                                                                                 |