

# HDL36100

Circuit breaker, PowerPacT H, thermal magnetic, unit mount, 100A, 3 pole, 14 kA, 600 VAC, 80% rated



Product availability: Stock - Normally stocked in distribution facility

Price\*: 1328.00 USD



## Main

|                           |                 |
|---------------------------|-----------------|
| Range                     | PowerPact       |
| Product name              | PowerPact H     |
| Product or component type | Circuit breaker |
| Device application        | Distribution    |

## Complementary

|                                        |                                                                                                                                                                                               |
|----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Line Rated Current                     | 100 A                                                                                                                                                                                         |
| Poles description                      | 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                                                                                                                                                                             |
| Suitability for isolation              | Yes conforming to 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)                                                    |
| 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                                                                                                                                                                               |

## 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                  | 00785901839934                       |
| Nbr. of units in pkg. | 1                                    |
| Package weight(Lbs)   | 4.10 Lb(US) (1.86 kg)                |
| Returnability         | Yes                                  |
| Country of origin     | MX                                   |

## Packing Units

|                        |                     |
|------------------------|---------------------|
| Unit Type of Package 1 | PCE                 |
| Package 1 Height       | 7.20 In (18.288 cm) |
| Package 1 width        | 6.00 In (15.24 cm)  |
| Package 1 Length       | 8.90 In (22.606 cm) |

### Offer Sustainability

|                            |                                                                                                                                                                                                                                                                                                                                      |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status   | Green Premium product                                                                                                                                                                                                                                                                                                                |
| California proposition 65  | WARNING: This product can expose you to chemicals including: DIN-P, which is known to the State of California to cause cancer, and DID-P, 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                                                                                                                                                                                                                                                                                                                                  |
| RoHS exemption information | <a href="#">Yes</a>                                                                                                                                                                                                                                                                                                                  |
| China RoHS Regulation      | <a href="#">China RoHS Declaration</a>                                                                                                                                                                                                                                                                                               |
| Environmental Disclosure   | <a href="#">Product Environmental Profile</a>                                                                                                                                                                                                                                                                                        |
| Circularity Profile        | <a href="#">End Of Life Information</a>                                                                                                                                                                                                                                                                                              |
| PVC free                   | Yes                                                                                                                                                                                                                                                                                                                                  |

### Contractual warranty

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

Product Life Status : **Commercialised**