

# Product data sheet

Specifications



Circuit breaker, PowerPacT H,  
150A, 3 pole, 600VAC, 50kA, I-Line,  
Micrologic 6.2E, 80%, CBA

HLA36150U54X6

## Main

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

## Complementary

|                                        |                                                                                                                                                                                                 |
|----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Line Rated Current                     | 150 A                                                                                                                                                                                           |
| Number Of Poles                        | 3P                                                                                                                                                                                              |
| Protected Poles Description            | 3t                                                                                                                                                                                              |
| Control Type                           | Toggle                                                                                                                                                                                          |
| Breaking Capacity Code                 | L                                                                                                                                                                                               |
| Breaking Capacity                      | 125 kA 240 V AC 50/60 Hz UL 489<br>100 kA 480 V AC 50/60 Hz UL 489<br>50 kA 600 V AC 50/60 Hz UL 489<br>20 kA 250 V DC UL 489<br>50 kA 500 V DC UL 489                                          |
| [Ue] Rated Operational Voltage         | 690 V AC 50/60 Hz IEC 60947-3                                                                                                                                                                   |
| Network Frequency                      | 50/60 Hz                                                                                                                                                                                        |
| [Ics] Rated Service Breaking Capacity  | 125 kA 220/240 V AC 50/60 Hz IEC 60947-2<br>100 kA 380/440/415 V AC 50/60 Hz IEC 60947-2<br>50 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                   | Electronic, energy, MicroLogic 6.2 E, LSIG                                                                                                                                                      |
| Continuous Current Rating              | 80 %                                                                                                                                                                                            |
| [Ui] Rated Insulation Voltage          | 750 V IEC 60947-2                                                                                                                                                                               |
| Trip Unit Name                         | MicroLogic 6.2 E                                                                                                                                                                                |
| Suitability For Isolation              | Yes IEC 60947-2                                                                                                                                                                                 |
| Utilisation Category                   | Category A                                                                                                                                                                                      |
| Awg Gauge                              | AWG 14...AWG 3/0 aluminium/copper terminal                                                                                                                                                      |
| Local Signalling                       | Ready 1 LED green)<br>Alarm 1 LED 90 % Ir orange)<br>Alarm LED 105 % Ir red)<br>Switched off (OFF) 1 trip indicator green)                                                                      |
| Mounting Mode                          | I-Line bracket)                                                                                                                                                                                 |

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

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

|                                    |                                                                                                                                                                                                  |
|------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Mounting Support                   | Bracket                                                                                                                                                                                          |
| Electrical Connection              | I-Line connection, line<br>Lugs, load                                                                                                                                                            |
| Terminal Identifier                | AL150HD                                                                                                                                                                                          |
| Long Time Pick-Up Adjustment Range | 0.25...1 x In                                                                                                                                                                                    |
| Mounting Height                    | 4.5 in (114.30 mm)                                                                                                                                                                               |
| 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                                                                                                                                                                                                |
| Phase Connection                   | CBA                                                                                                                                                                                              |
| 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 |

## Packing Units

|                              |     |
|------------------------------|-----|
| Unit Type Of Package 1       | PCE |
| Number Of Units In Package 1 | 1   |