

Product data sheet

Characteristics

HDL26090

Circuit breaker, PowerPacT H, thermal magnetic, unit mount, 90A, 2 pole, 14 kA, 600 VAC, 80% rated



Price*: 1062.00 USD



Main

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

Complementary

| | |
|--|---|
| Line Rated Current | 90 A |
| Poles description | 2P |
| Protected poles description | 2t |
| Control type | Toggle |
| Breaking capacity code | D |
| Breaking capacity | 25 KA 240 V AC 50/60 Hz UL 489 18 KA 480 V AC 50/60 Hz 14 KA 600 V AC 50/60 Hz 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 18 KA 380/440/415 V AC 50/60 Hz IEC 60947-2 14 KA 500/525 V AC 50/60 Hz IEC 60947-2 20 KA 250 V DC IEC 60947-2 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 | 1450 A |
| Magnetic hold current | 800 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 |

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|-------------------------|--|
| Local signalling | Switched off (OFF) 1 trip indicator green) |
| Mounting mode | Unit mount lug) |
| Mounting support | Lug |
| Electrical connection | Lugs line Lugs load |
| Terminal identifier | AL150HD |
| Tightening torque | 44.25 Lbf.In (5 N.m) 0.00...0.01 in ² (2.5...6 mm ²) (AWG 14...AWG 10) 123.91 Lbf.In (14 N.m) 0.02...0.15 in ² (10...95 mm ²) (AWG 8...AWG 3/0) |
| Number of slots | 2 auxiliary switch OF plug-in) 1 alarm switch SD plug-in) 1 overcurrent trip switch SDE plug-in) 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 Ethernet |

Environment

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|---------------------------------------|--|
| Quality labels | CE |
| Standards | UL CSA NEMA NOM-003-SCFI-2000 IEC 60947-2 |
| Product certifications | UL CSA 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 5000 m with derating |

Ordering and shipping details

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|-----------------------|------------------------------------|
| Category | 01110-HD,JD UNIT MT BREAKER/SWITCH |
| Discount Schedule | DE2 |
| GTIN | 00785901625193 |
| Nbr. of units in pkg. | 1 |
| Package weight(Lbs) | 3.00 Lb(US) (1.361 kg) |
| Returnability | Yes |
| Country of origin | US |

Packing Units

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|------------------------|---------------------|
| Unit Type of Package 1 | PCE |
| 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) |

Offer Sustainability

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|----------------------------|--|
| 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 www.P65Warnings.ca.gov |
| REACH Regulation | REACH Declaration |
| EU RoHS Directive | Compliant EU RoHS Declaration |
| Mercury free | Yes |
| RoHS exemption information | Yes |
| China RoHS Regulation | China RoHS Declaration |
| Environmental Disclosure | Product Environmental Profile |
| Circularity Profile | End Of Life Information |
| PVC free | Yes |

Contractual warranty

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| Warranty | 18 months |
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| Product Life Status : | Commercialised |
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