

# Product data sheet

## Characteristics

# HDL36080C

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



Price\*: 1593.00 USD



### Main

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

### Complementary

Line Rated Current	80 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 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	100 %
[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 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) 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) 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

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

Category	01110-HD,JD UNIT MT BREAKER/SWITCH
Discount Schedule	DE2
GTIN	00785901682530
Nbr. of units in pkg.	1
Package weight(Lbs)	4.00 Lb(US) (1.814 kg)
Returnability	Yes
Country of origin	US

## Packing Units

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

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
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Product Life Status :	<b>Commercialised</b>
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