

# Product data sheet

## Characteristics

# HJA36100SA

Circuit breaker, PowerPact H, I-Line, thermal magnetic, 100A, 3 pole, 25 kA, 600 VAC, shunt trip



Price\*: 2942.00 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	J
Breaking capacity	100 KA 240 V AC 50/60 Hz UL 489 65 KA 480 V AC 50/60 Hz UL 489 25 KA 600 V AC 50/60 Hz UL 489 20 KA 250 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	100 KA 220/240 V AC 50/60 Hz IEC 60947-2 65 KA 380/440/415 V AC 50/60 Hz IEC 60947-2 25 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	1700 A
Magnetic hold current	900 A
Continuous current rating	80 %
[Ui] rated insulation voltage	750 V IEC 60947-2
Accessory / separate part type	Shunt trip 110...130 V AC compartment
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	I-Line bracket)
Mounting support	Bracket
Electrical connection	I-Line connection line Lugs load
Terminal identifier	AL150HD
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) 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
Phase connection	ABC
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	01117-HG, HJ, JG, JJ I-LINE BREAKER/SWITC
Discount Schedule	DE2
GTIN	00785901428473
Nbr. of units in pkg.	1
Package weight(Lbs)	6.00 Lb(US) (2.722 kg)
Returnability	No
Country of origin	US

## Packing Units

Unit Type of Package 1	PCE
Package 1 Height	5.38 In (13.653 cm)
Package 1 width	8.13 In (20.638 cm)
Package 1 Length	14.63 In (37.148 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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