

Product datasheet

Specifications



PowerPact H Circuit Breaker, ThermMagn, 100A, 3P, 600V, 14kA

HDL36100

Main

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

Complementary

[In] rated current	100 A
Number of Poles	3P
Protected poles description	3t
Control type	Toggle
Breaking capacity code	D
Breaking capacity	25 kA at 240 V AC 50/60 Hz conforming to UL 489 18 kA at 480 V AC 50/60 Hz 14 kA at 600 V AC 50/60 Hz 20 kA at 250 V DC
[Ue] rated operational voltage	690 V AC 50/60 Hz conforming to IEC 60947-3
Network frequency	50/60 Hz
[Ics] rated service breaking capacity	25 kA at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 18 kA at 380/440/415 V AC 50/60 Hz conforming to IEC 60947-2 14 kA at 500/525 V AC 50/60 Hz conforming to IEC 60947-2 20 kA at 250 V DC conforming to IEC 60947-2 20 kA at 500 V DC conforming to IEC 60947-2
[Uimp] rated impulse withstand voltage	8 kV conforming to 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 conforming to 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

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

Electrical connection	Lugs, line Lugs, load
Terminal identifier	AL150HD
Tightening torque	5 N.m for 2.5...6 mm² (AWG 14...AWG 10) 14 N.m for 10...95 mm² (AWG 8...AWG 3/0)
Number of slots	2 slot(s) for auxiliary switch OF (plug-in) 1 slot(s) for alarm switch SD (plug-in) 1 slot(s) for overcurrent trip switch SDE (plug-in) 1 slot(s) for voltage release MN or MX (plug-in)
Power wire stripping length	16 mm
Color	Black
Height	163 mm
Width	104 mm
Depth	86 mm
Net weight	2.2 kg
Quantity per set	1
Communication interface	Modbus Ethernet
Circuit breaker application	HACR rated

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 conforming to IEC 60529
Pollution degree	3 conforming to IEC 60947-1
Ambient air temperature for operation	-25...70 °C
Ambient air temperature for storage	-50...85 °C
Operating altitude	< 2000 m without derating 5000 m with derating

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	14.605 cm
Package 1 Width	19.050 cm
Package 1 Length	22.225 cm
Package 1 Weight	1.882 kg

Contractual warranty

Warranty	18 months
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Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

Environmental footprint	
Total lifecycle Carbon footprint	241
Environmental Disclosure	Product Environmental Profile

Use Better

Materials and Substances	
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	No
EU RoHS Directive	Compliant with Exemptions
REACH Regulation	REACH Declaration
PVC free	Yes

Use Again

Repack and remanufacture	
End of life manual availability	End of Life Information
Take-back	No
WEEE Label	 The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Technical Illustration

Dimensions

