

Product data sheet

Specifications



Circuit breaker, PowerPacT H,
50A, 3 pole, 600VAC, 50kA, I-Line,
thermal magnetic, 80%, ABC

HLA36050

Main

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

Complementary

[In] rated current	50 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 489 100 kA 480 V AC 50/60 Hz UL 489 50 kA 600 V AC 50/60 Hz UL 489 20 kA 250 V DC UL 489 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 60947-2 100 kA 380/440/415 V AC 50/60 Hz IEC 60947-2 50 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	850 A
Magnetic hold current	400 A
Continuous current rating	80 %
[Ui] rated insulation voltage	750 V IEC 60947-2
Suitability for isolation	Yes IEC 60947-2
Utilisation category	Category A
AWG gauge	AWG 14...AWG 3/0 aluminum/copper terminal
Local signalling	Switched off (OFF) 1 trip indicator green)
Mounting mode	I-Line bracket)
Mounting support	Bracket

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	I-Line connection, line Lugs, load
Terminal identifier	AL150HD
Mounting height	4.5 in (114.3 mm)
Tightening torque	44.3 lbf.in (5 N.m) 0.004...0.009 in² (2.5...6 mm²) AWG 14...AWG 10) 123.9 lbf.in (14 N.m) 0.02...0.1 in² (10...95 mm²) 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)
Power wire stripping length	0.6 in (16 mm)
Color	Black
Height	6.4 in (163 mm)
Width	4.09 in (104 mm)
Depth	3.4 in (86 mm)
Net weight	4.9 lb(US) (2.2 kg)
Quantity per set	1
Phase connection	ABC
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 IEC 60529
Pollution degree	3 IEC 60947-1
Ambient air temperature for operation	-13...158 °F (-25...70 °C)
Ambient air temperature for storage	-58...185 °F (-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	5.98 in (15.2 cm)
Package 1 Width	8.39 in (21.3 cm)
Package 1 Length	14.80 in (37.6 cm)
Package 1 Weight	5.42 lb(US) (2.46 kg)

Contractual warranty

Warranty

18 months

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

Carbon footprint (kg CO2 eq, Total Life cycle)	442
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Environmental Disclosure	Product Environmental Profile
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Use Better

Materials and Substances

Packaging made with recycled cardboard	Yes
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Packaging without single use plastic	No
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EU RoHS Directive	Compliant with Exemptions
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REACH Regulation	REACH Declaration
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China RoHS Regulation	China RoHS declaration
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PVC free	Yes
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Use Again

Repack and remanufacture

Circularity Profile	End of Life Information
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Removable battery

No

Take-back

No

Technical Illustration

Dimensions

