

Product data sheet

Specifications



Circuit breaker, PowerPacT H,
100A, 3 pole, 600VAC, 50kA, I-Line,
Micrologic 6.2E, 80%, CBA

HLA36100U54X6

Main

Range	PowerPact
Product Name	PowerPact H
Product Or Component Type	Circuit breaker
Device Application	Distribution

Complementary

Line Rated Current	100 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	Electronic, energy, MicroLogic 6.2 E, LSIG
Magnetic Tripping Current	1700 A
Magnetic Hold Current	900 A
Continuous Current Rating	80 %
[Ui] Rated Insulation Voltage	750 V IEC 60947-2
Trip Unit Name	MicroLogic 6.2 E
Suitability For Isolation	Yes IEC 60947-2
Utilisation Category	Category A
Awg Gauge	AWG 14...AWG 3/0 aluminium/copper terminal

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

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

Local Signalling	Ready 1 LED green) Alarm 1 LED 90 % Ir orange) Alarm LED 105 % Ir red) 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
Long Time Pick-Up Adjustment Range	0.25...1 x In
Mounting Height	4.5 in (114.30 mm)
Tightening Torque	44.25 lbf.in (5 N.m) 0.00...0.01 in² (2.5...6 mm²) (AWG 14...AWG 10) 123.91 lbf.in (14 N.m) 0.02...0.15 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	0.63 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	CBA
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	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

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1

