

Product data sheet

Specifications

SQUARE D



Circuit breaker, PowerPact L,
250A, 3 pole, 600VAC, 50kA, I-
Line, MicroLogic 3.3S, 80%, ABC

LLA36250U33X

Main

Range	PowerPact
product name	PowerPact L
Device short name	L-Frame
Product or component type	Circuit breaker
Device application	Distribution

Complementary

[In] rated current	250 A
Number of Poles	3P
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	600 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, standard, MicroLogic 3.3 S, LSI
Continuous current rating	80 %
[Ui] rated insulation voltage	750 V IEC 60947-2
Trip unit name	MicroLogic 3.3 S
Protection technology	Current limiter
Suitability for isolation	Yes IEC 60947-2
Utilisation category	Category A
AWG gauge	AWG 2...600 kcmil copper AWG 2...500 kcmil aluminum
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	AL400L61K3
Long time pick-up adjustment range	0.25...1 x In
Mounting height	6 in (152.4 mm)
Tightening torque	442.5 lbf.in (50 N.m) 0.05...0.5 in ² (35...300 mm ²) AWG 2...600 kcmil) 442.5 lbf.in (50 N.m) 0.05...0.4 in ² (35...240 mm ²) AWG 2...500 kcmil)
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	1.2 in (31 mm)
Color	Black
Height	13.4 in (340 mm)
Width	5.5 in (140 mm)
Depth	4.3 in (110 mm)
Product weight	13.7 lb(US) (6.2 kg)
Phase connection	ABC
Communication interface	Modbus Ethernet
Circuit breaker application	HACR rated

Environment

Standards	UL CSA NEMA NOM-003-SCFI-2000 IEC 60947-2
Product certifications	UL CSA NOM
IP degree of protection	Front cover IP40
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	8.75 in (22.225 cm)
Package 1 Width	10.75 in (27.305 cm)
Package 1 Length	19.50 in (49.53 cm)
Package 1 Weight	17.000 lb(US) (7.711 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)	1672
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Environmental Disclosure	Product Environmental Profile
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Use Better

Materials and Substances

Packaging made with recycled cardboard	No
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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
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Take-back	No
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