Product data sheet

Specifications

Circuit breaker, PowerPacT J, 175A, 3 pole, 600VAC, 50kA, lugs, thermal magnetic, 80%

JLL36175

Product availability: Stock - Normally stocked in distribution facility

Price*: 7,086.00 USD

Main

Product or Component Type	Circuit breaker

Complementary

Line Rated Current	175 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	Thermal-magnetic
Magnetic tripping current	1750 A
Magnetic hold current	875 A
Continuous current rating	80 %
[Ui] rated insulation voltage	750 V IEC 60947-2
Protection Type	Overload protection Short-circuit protection
Suitability for isolation	Yes IEC 60947-2
Utilisation category	Category A
AWG gauge	AWG 4...AWG 4/0 aluminium/copper terminal
Local signalling	Switched off (OFF) 1 trip indicator green)
Mounting mode	Unit mount lug)
Mounting Support	Lug

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

Electrical connection	Lugs, line Lugs, load
Terminal identifier	AL175JD
Long time pick-up adjustment range	0.25...1 x In
Tightening torque	221.3 lbf.in (25 N.m) 0.04…0.1 in² (25…95 mm²) (AWG 4...AWG 4/0)
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	1.0 in (25 mm)
Height	7.5 in (191 mm)
Width	4.09 in (104 mm)
Depth	3.4 in (86 mm)
Product Weight	5.3 lb(US) (2.4 kg)
Communication interface	Modbus
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
Pollution degree	3
Ambient air temperature for operation	-13…158 °F (-25…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	US10DE201120
Discount Schedule	0DE2
GTIN	785901883838
Returnability	No
Country of origin	US

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	5.13 in (13.018 cm)
Package 1 Width	7.25 in (18.415 cm)

Package 1 Length	8.44 in (21.433 cm)
Package 1 Weight	4.905 lb(US) (2.225 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)	865
Environmental Disclosure	Product Environmental Profile

Use Better

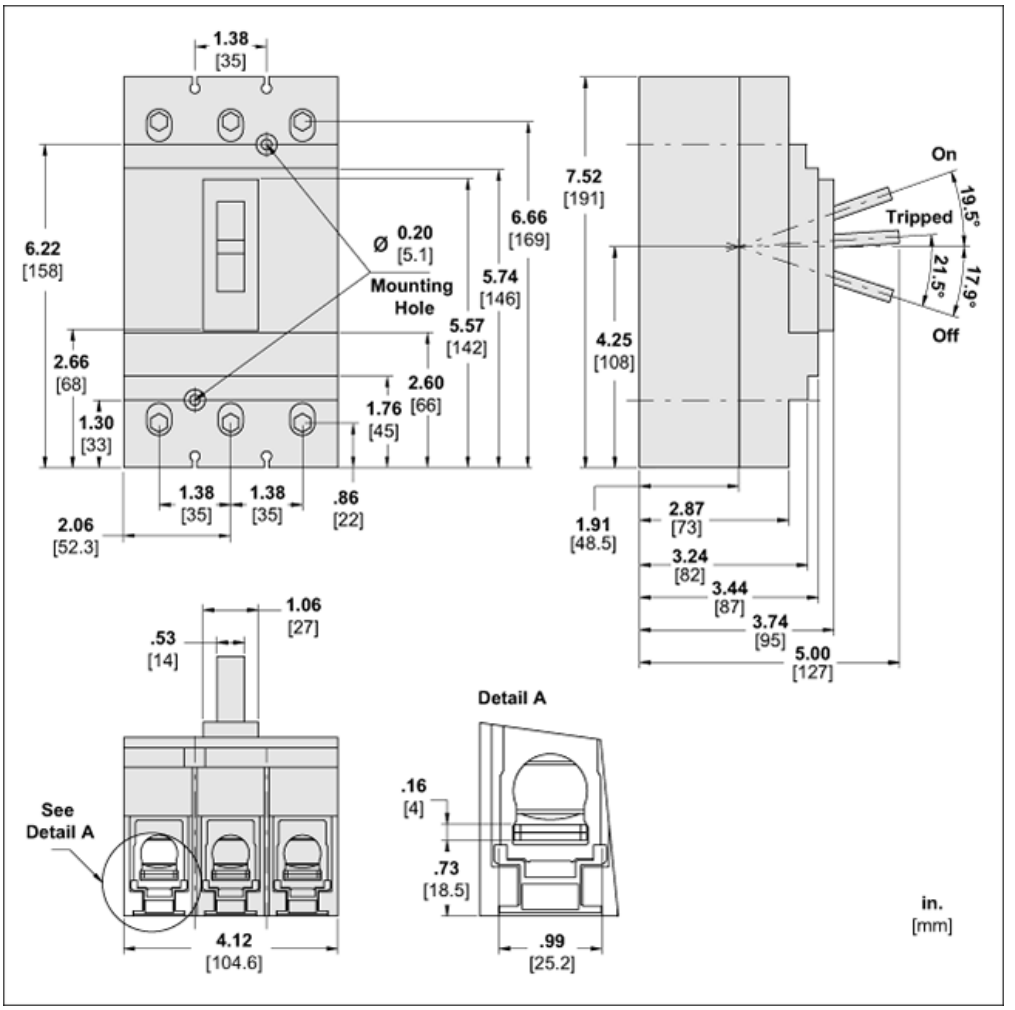
Materials and Substances

Packaging made with recycled cardboard	Yes
Packaging without single use plastic	No
EU RoHS Directive	Compliant with Exemptions
REACh Regulation	REACh Declaration
China RoHS Regulation	China RoHS declaration
California proposition 65	WARNING: This product can expose you to chemicals including: DINP, which is known to the State of California to cause cancer, and DIDP, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov
PVC free	Yes

Use Again

Repack and remanufacture

Circularity Profile	End of Life Information
Take-back	No

Dimensions Drawings

Approximate Dimensions