

# Product data sheet

Specifications



Circuit breaker, PowerPacT B,  
100A, 3 pole, 600Y/347VAC, 14kA,  
lugs, thermal magnetic, 80%, control  
wire ON end

BDL36100LU

**Product availability: Non-Stock - Not normally stocked in  
distribution facility**

## Main

Range	PowerPact
Product name	PowerPact B
Device short name	BD 100
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	D
Breaking capacity	25 kA 208Y/120 V AC 50/60 Hz UL 489 18 kA 240 V AC 50/60 Hz UL 489 Icu 25 kA 480/277 V AC 50/60 Hz UL 489 Icu 14 kA 480 V AC 50/60 Hz UL 489 18 kA 600Y/347 V AC 50/60 Hz UL 489 14 kA 250 V DC UL 489 25 kA Icu 18 kA
[Ue] rated operational voltage	525 V AC 50/60 Hz UL 489
Network Frequency	50/60 Hz
[Ics] rated service breaking capacity	25 kA 220...240 V AC 50/60 Hz IEC 60947-2 14 kA 500...525 V AC 50/60 Hz IEC 60947-2 18 kA 380...415 V AC 50/60 Hz IEC 60947-2 18 kA 440 V AC 50/60 Hz IEC 60947-2
[Uimp] rated impulse withstand voltage	8 kV IEC 60947-2
Trip unit technology	Thermal-magneticTM-D,
Continuous current rating	80 %
[Ui] rated insulation voltage	800 V IEC 60947-2
Trip unit name	TM-D
Suitability for isolation	Yes IEC 60947-2
Utilisation category	Category A
Mechanical durability	15000 cycles IEC 947-1 Annex K ed 5.2
Electrical durability	10000 cycles IEC 947-1 Annex K ed 5.2 440 V In

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

<b>Connection pitch</b>	1.06 in (27 mm)
<b>AWG gauge</b>	AWG 6...AWG 2/0 fine stranded aluminium/copper AWG 14...AWG 3/0 rigid or stranded aluminium/copper
<b>Local signalling</b>	Presence of auxiliary contacts flag green)
<b>Mounting mode</b>	Clip-on 35 mm symmetrical DIN rail) By screws plate)
<b>Electrical connection</b>	Everlink lug, line Everlink lug, load
<b>Tightening torque</b>	44.3 lbf.in (5 N.m) 0.004...0.02 in <sup>2</sup> (2.5...16 mm <sup>2</sup> ) (AWG 14...AWG 4) 79.7 lbf.in (9 N.m) 0.04...0.1 in <sup>2</sup> (25...95 mm <sup>2</sup> ) (AWG 3...AWG 3/0)
<b>Number of slots</b>	1 auxiliary switch OF plug-in) 1 voltage release MN or MX plug-in) 1 alarm switch SD plug-in)
<b>Power wire stripping length</b>	0.8 in (20 mm)
<b>Color</b>	Gray RAL 7016)
<b>9 mm pitches</b>	9
<b>Height</b>	5.4 in (137 mm)
<b>Width</b>	3.2 in (81 mm)
<b>Depth</b>	3.1 in (80 mm)
<b>Net Weight</b>	2.368 lb(US) (1.074 kg)
<b>Quantity per Set</b>	Set of 1
<b>Circuit breaker application</b>	HACR rated

## Environment

<b>Quality labels</b>	CE
<b>Standards</b>	CSA C22.2 No 5 GB 14048.2 NMX J-266 UL 489 EN/IEC 60947-2 NEMA AB1 EN/IEC 60947-5-1
<b>Product certifications</b>	UL IEC CCC EAC CSA NOM
<b>IP degree of protection</b>	Front cover IP40 IEC 60529
<b>IK degree of protection</b>	IK07 conforming to IEC 62262
<b>Pollution degree</b>	3 IEC 60947-1
<b>Ambient Air Temperature for Operation</b>	-13...158 °F (-25...70 °C)
<b>Ambient Air Temperature for Storage</b>	-58...185 °F (-50...85 °C)
<b>Operating altitude</b>	6561.68 ft (2000 m) without derating 5000 m with derating

## Ordering and shipping details

<b>Category</b>	US10DE201130
<b>Discount Schedule</b>	0DE2
<b>GTIN</b>	3606481149176

<b>Returnability</b>	No
<b>Country of origin</b>	US

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Nbr. of units in pkg.</b>	1
<b>Package 1 Height</b>	3.31 in (8.400 cm)
<b>Package 1 Width</b>	4.69 in (11.900 cm)
<b>Package 1 Length</b>	8.11 in (20.600 cm)
<b>Package weight(Lbs)</b>	2.599 lb(US) (1.179 kg)
<b>Unit Type of Package 2</b>	S03
<b>Number of Units in Package 2</b>	6
<b>Package 2 Height</b>	11.81 in (30.000 cm)
<b>Package 2 Width</b>	11.81 in (30.000 cm)
<b>Package 2 Length</b>	15.75 in (40.000 cm)
<b>Package 2 Weight</b>	18.739 lb(US) (8.500 kg)



## 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) **241**

Environmental Disclosure [Product Environmental Profile](#)

## Use Better

### Materials and Substances

Packaging made with recycled cardboard **Yes**

Packaging without single use plastic **Yes**

[EU RoHS Directive](#) **Compliant with Exemptions**

REACH Regulation [REACH Declaration](#)

California proposition 65 **WARNING: Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)**

Halogen content performance **Halogen free product**

PVC free **Yes**

## Use Again

### Repack and remanufacture

Circularity Profile **No need of specific recycling operations**

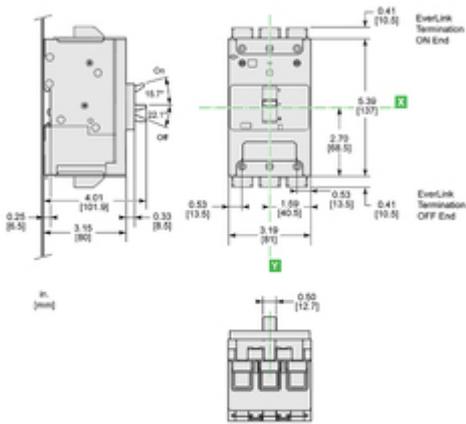
Take-back **No**

WEEE  **The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.**

Technical Illustration

Dimensions

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(1) TERMINATION OPTION - EverLink (ON end) / EverLink (OFF end)  
ALL DIMENSIONS ARE APPROXIMATE  
ALSO REFER TO CAD, TECHNICAL DRAWINGS, AND DOCUMENTATION