

# Product data sheet

Specifications



## Circuit breaker, PowerPact B, 125A, 3 pole, 600Y/347VAC, 14kA, lugs, thermal magnetic, 80%

BDL36125

### Main

Range	PowerPact
Product name	PowerPact B
Device short name	BD 125
Product or component type	Circuit breaker
Device application	Distribution

### Complementary

[In] rated current	125 A
Number of Poles	3P
Control type	Toggle
Breaking capacity code	D
Breaking capacity	25 kA 208Y/120 V AC 50/60 Hz UL 489 25 kA 240 V AC 50/60 Hz UL 489 18 kA 480/277 V AC 50/60 Hz UL 489 18 kA 480 V AC 50/60 Hz UL 489 14 kA 600Y/347 V AC 50/60 Hz UL 489 10 kA 250 V DC UL 489
[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-magnetic
Continuous current rating	80 %
[Ui] rated insulation voltage	800 V IEC 60947-2
Suitability for isolation	Yes IEC 60947-2
Utilisation category	Category A
Mechanical durability	20000 cycles IEC 947-1 Annex K ed 5.2
Electrical durability	10000 cycles IEC 947-1 Annex K ed 5.2 440 V In
Connection pitch	1.06 in (27 mm)
AWG gauge	AWG 6...AWG 2/0 fine stranded aluminum/copper

<b>Local signalling</b>	Presence of auxiliary contacts flag green)
<b>Mounting mode</b>	Clip-on 35 x 15 mm symmetrical DIN rail) By screws plate)
<b>Electrical connection</b>	Everlink lug line Everlink lug load
<b>Tightening torque</b>	44.25 lbf.in (5 N.m) 0.00...0.02 in <sup>2</sup> (2.5...16 mm <sup>2</sup> ) AWG 14...AWG 4) 79.66 lbf.in (9 N.m) 0.04...0.15 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>	0.79 in (20 mm)
<b>Color</b>	Grey RAL 7016)
<b>9 mm pitches</b>	9
<b>Height</b>	5.39 in (137 mm)
<b>Width</b>	3.19 in (81 mm)
<b>Depth</b>	3.15 in (80 mm)
<b>Net weight</b>	2.37 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>	UL 489 CSA C22.2 No 5 EN/IEC 60947-5-1 NEMA AB1 GB 14048.2 EN/IEC 60947-2 NMX J-266
<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 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>	< 2000 m without derating 5000 m with derating

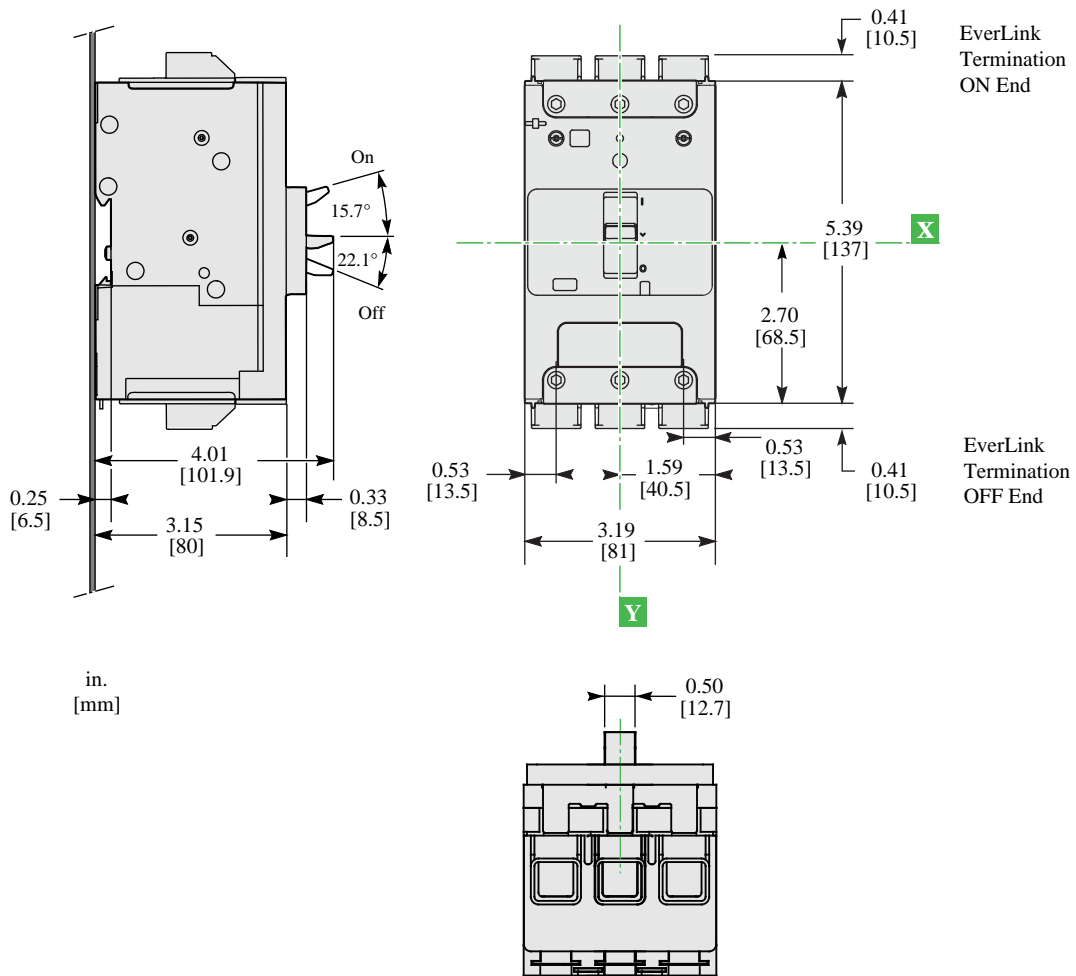
## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1
<b>Package 1 Height</b>	3.39 in (8.6 cm)
<b>Package 1 Width</b>	6.30 in (16.0 cm)
<b>Package 1 Length</b>	10.12 in (25.7 cm)
<b>Package 1 Weight</b>	3.09 lb(US) (1.4 kg)

## Offer Sustainability

<b>Sustainable offer status</b>	Green Premium product
<b>REACH Regulation</b>	<a href="#">REACH Declaration</a>
<b>EU RoHS Directive</b>	Compliant <a href="#">EU RoHS Declaration</a>
<b>Mercury free</b>	Yes
<b>China RoHS Regulation</b>	<a href="#">China RoHS declaration</a> Product out of China RoHS scope. Substance declaration for your information
<b>RoHS exemption information</b>	Yes
<b>Environmental Disclosure</b>	<a href="#">Product Environmental Profile</a>
<b>WEEE</b>	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
<b>PVC free</b>	Yes
<b>Halogen content performance</b>	Halogen free product

**Dimensions**



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

**Recommended replacement(s)**