

# Product data sheet

Specifications



Circuit breaker, PowerPact B, 40A,  
1 pole, 600Y/347VAC, 14kA, lugs,  
thermal magnetic, 80%

BDL16040

## Main

Range	PowerPact
Product name	PowerPact B
Device short name	BD 040
Product or component type	Circuit breaker
Device application	Distribution

## Complementary

[In] rated current	40 A
Number of Poles	1P
Protected poles description	1t
Control type	Toggle
Breaking capacity code	D
Breaking capacity	25 kA at 208Y/120 V AC 50/60 Hz conforming to UL 489 25 kA at 240 V AC 50/60 Hz conforming to UL 489 18 kA at 480Y/277 V AC 50/60 Hz conforming to UL 489 10 kA at 125 V DC 50/60 Hz conforming to UL 489 14 kA at 600/347 V AC 50/60 Hz conforming to UL 489
[Ue] rated operational voltage	240 V AC 50/60 Hz conforming to UL 489
Network frequency	50/60 Hz
[Ics] rated service breaking capacity	25 kA at 220...240 V AC 50/60 Hz conforming to IEC 60947-2
[Uimp] rated impulse withstand voltage	8 kV conforming to IEC 60947-2
Trip unit technology	Thermal-magneticTM-D,
Continuous current rating	80 %
[Ui] rated insulation voltage	800 V conforming to IEC 60947-2
Trip unit name	TM-D
Suitability for isolation	Yes conforming to IEC 60947-2
Utilisation category	Category A
Mechanical durability	15000 cycles conforming to IEC 947-1 Annex F ed 5.2
Electrical durability	10000 cycles conforming to IEC 947-1 Annex K ed 5.2 In
Connection pitch	27 mm
AWG gauge	AWG 6...AWG 2/0 fine stranded aluminium/copper AWG 14...AWG 3/0 rigid or stranded aluminium/copper
Mounting mode	Clip-on (35 mm symmetrical DIN rail) By screws (plate)

<b>Electrical connection</b>	Everlink lug, line Everlink lug, load
<b>Tightening torque</b>	5 N.m for 2.5...16 mm <sup>2</sup> (AWG 14...AWG 4) 9 N.m for 25...95 mm <sup>2</sup> (AWG 3...AWG 3/0)
<b>Power wire stripping length</b>	20 mm
<b>Color</b>	Grey (RAL 7016)
<b>9 mm pitches</b>	3
<b>Height</b>	137 mm
<b>Width</b>	27 mm
<b>Depth</b>	80 mm
<b>Product weight</b>	0.51 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>	EN/IEC 60947-2 UL 489 CSA C22.2 No 5 NEMA AB1 GB 14048.2 NMX J-266 EN/IEC 60947-5-1
<b>Product certifications</b>	UL IEC CCC EAC CSA NOM
<b>IP degree of protection</b>	Front cover: IP40 conforming to IEC 60529
<b>IK degree of protection</b>	IK07 conforming to IEC 62262
<b>Pollution degree</b>	3 conforming to IEC 60947-1
<b>Ambient air temperature for operation</b>	-25...70 °C
<b>Ambient air temperature for storage</b>	-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>	5.000 cm
<b>Package 1 Width</b>	15.500 cm
<b>Package 1 Length</b>	21.000 cm
<b>Package 1 Weight</b>	587.000 g
<b>Unit Type of Package 2</b>	S03
<b>Number of Units in Package 2</b>	8
<b>Package 2 Height</b>	30.000 cm
<b>Package 2 Width</b>	30.000 cm

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<b>Package 2 Length</b>	40.000 cm
<b>Package 2 Weight</b>	5.800 kg

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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

Total lifecycle Carbon footprint **64**

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: 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](#)**

Halogen-free status **Halogen free product**

PVC free **Yes**

## Use Again

### Repack and remanufacture

End of life manual availability **No need of specific recycling operations**

Take-back **No**

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