

# Product data sheet

Specifications



Circuit breaker, PowerPact B, 30A, 3 pole, 600Y/347VAC, 18kA, terminal nut, thermal magnetic, 80%

BGF36030

## Main

Range	PowerPact
Product name	PowerPact B
Device short name	BG 030
Product or component type	Circuit breaker
Device application	Distribution

## Complementary

[In] rated current	30 A
Number of Poles	3P
Protected poles description	3t
Control type	Toggle
Breaking capacity code	G
Breaking capacity	65 kA at 208Y/120 V AC 50/60 Hz conforming to UL 489 65 kA at 240 V AC 50/60 Hz conforming to UL 489 35 kA at 480/277 V AC 50/60 Hz conforming to UL 489 35 kA at 480 V AC 50/60 Hz conforming to UL 489 20 kA at 250 V DC conforming to UL 489 18 kA at 600Y/347 V AC 50/60 Hz conforming to UL 489
[Ue] rated operational voltage	525 V AC 50/60 Hz conforming to UL 489
Network frequency	50/60 Hz
[Ics] rated service breaking capacity	65 kA at 220...240 V AC 50/60 Hz conforming to IEC 60947-2 18 kA at 500...525 V AC 50/60 Hz conforming to IEC 60947-2 35 kA at 380...415 V AC 50/60 Hz conforming to IEC 60947-2 35 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2
[Uiimp] 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 K ed 5.2
Electrical durability	10000 cycles conforming to IEC 947-1 Annex K ed 5.2 at 440 V In
Connection pitch	27 mm

<b>AWG gauge</b>	AWG 14...AWG 8 aluminium/copper AWG 6...AWG 3/0 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>	Terminal nut, ON and OFF end
<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>Number of slots</b>	1 slot(s) for auxiliary switch OF (plug-in) 1 slot(s) for voltage release MN or MX (plug-in) 1 slot(s) for alarm switch SD (plug-in)
<b>Power wire stripping length</b>	20 mm
<b>Color</b>	Grey (RAL 7016)
<b>9 mm pitches</b>	9
<b>Height</b>	137 mm
<b>Width</b>	81 mm
<b>Depth</b>	80 mm
<b>Product weight</b>	0.924 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 NEMA AB1 UL 489 CSA C22.2 No 5 EN/IEC 60947-5-1 NMX J-266 GB 14048.2
<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>	11.938 cm
<b>Package 1 Width</b>	15.494 cm

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<b>Package 1 Length</b>	20.574 cm
<b>Package 1 Weight</b>	1.220 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	186
Environmental Disclosure	<a href="#">Product Environmental Profile</a>

## Use Better

### Materials and Substances

Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
<a href="#">EU RoHS Directive</a>	Compliant with Exemptions
REACH Regulation	<a href="#">REACH Declaration</a>
California proposition 65	<b>WARNING:</b> 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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>
Halogen-free status	Halogen free product
PVC free	Yes

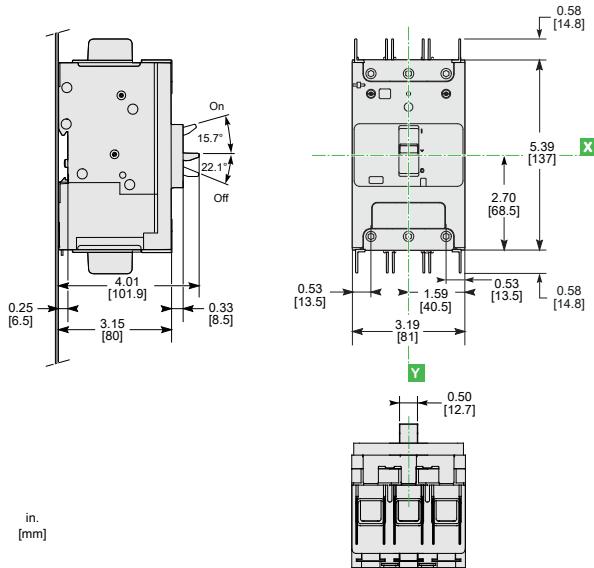
## Use Again

### 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

## Technical Illustration

## Dimensions



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