



## Main

Range	PowerPact
Product name	PowerPact B
Device short name	BG 045
Product or component type	Circuit breaker
Device application	Distribution

## Complementary

[In] rated current	45 A
Number of Poles	4P
Protected poles description	4t
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
[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
[Uimp] rated impulse withstand voltage	IEC 60947-2 8 kV
Trip unit technology	Thermal-magnetic
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
AWG gauge	AWG 14...AWG 8 aluminium/copper AWG 6...AWG 3/0 aluminium/copper
Local signalling	Flag (green) for presence of auxiliary contacts
Mounting mode	Clip-on (35 mm symmetrical DIN rail) By screws (plate)
Electrical connection	Terminal nut ON and OFF end
Tightening torque	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)
Number of slots	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)
Power wire stripping length	20 mm

Color	Grey (RAL 7016)
9 mm pitches	12
Height	137 mm
Width	108 mm
Depth	80 mm
Net weight	1.241 kg
Quantity per set	Set of 1






## Environment

Quality labels	CE
Standards	NEMA AB1 GB 14048.2 EN/IEC 60947-2 EN/IEC 60947-5-1 CSA C22.2 No 5 NMX J-266 UL 489
Product certifications	UL IEC CCC EAC CSA NOM
IP degree of protection	Front cover: IP40 conforming to IEC 60529
IK degree of protection	IK07 conforming to IEC 62262
Pollution degree	3 conforming to IEC 60947-1
Ambient air temperature for operation	-25...70 °C
Ambient air temperature for storage	-50...85 °C
Operating altitude	2000 m without derating 5000 m with derating

## Packing Units

Package 1 Weight	1.814 kg
Package 1 Height	11.430 cm
Package 1 width	12.700 cm
Package 1 Length	20.320 cm

## Offer Sustainability

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