

# Product data sheet

Specifications



Circuit breaker, PowerPact B, 20A, 4 pole, 600Y/347VAC, 18kA, lugs, thermal magnetic, 80%, control wire ON end

BGL46020LU

## Main

Range	PowerPact
Product name	PowerPact B
Device short name	BG 020
Product or component type	Circuit breaker
Device application	Distribution

## Complementary

[In] rated current	20 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
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
[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 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 6...AWG 2/0 fine stranded aluminium/copper AWG 14...AWG 3/0 rigid or stranded aluminium/copper
Local signalling	Presence of auxiliary contacts: flag (green)
Mounting mode	Clip-on (35 mm symmetrical DIN rail) By screws (plate)
Electrical connection	Everlink lug line Everlink lug load
Tightening torque	5 N.m for 2.5...16 mm² (AWG 14...AWG 4) 9 N.m for 25...95 mm² (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	1.441 kg
Quantity per set	Set of 1

## Environment

Quality labels	CE
Standards	NEMA AB1 EN/IEC 60947-5-1 EN/IEC 60947-2 CSA C22.2 No 5 GB 14048.2 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

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	1.763 kg
Package 1 Height	11.43 cm
Package 1 width	12.7 cm
Package 1 Length	20.32 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> Product out of China RoHS scope. Substance declaration for your information
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
California proposition 65	WARNING: Cancer and Reproductive Harm - <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>