

Product data sheet

Specifications



Circuit breaker, PowerPact B, 20A, 3 pole, 600Y/347VAC, 18kA, lugs, thermal magnetic, 80%, control wire ON end

BGL36020LU

Product availability: Non-Stock - Not normally stocked in distribution facility

Main

Range	PowerPact
Product name	PowerPact B
Device short name	BG 020
Product or Component Type	Circuit breaker
Device Application	Distribution

Complementary

Line Rated Current	20 A
Number of Poles	3P
Protected poles description	3t
Control Type	Toggle
Breaking capacity code	G
Breaking capacity	65 kA 208Y/120 V AC 50/60 Hz UL 489 65 kA 240 V AC 50/60 Hz UL 489 35 kA 480/277 V AC 50/60 Hz UL 489 35 kA 480 V AC 50/60 Hz UL 489 20 kA 250 V DC UL 489 18 kA 600Y/347 V AC 50/60 Hz UL 489
[U _e] rated operational voltage	525 V AC 50/60 Hz UL 489
Network Frequency	50/60 Hz
[I _{cs}] rated service breaking capacity	65 kA 220...240 V AC 50/60 Hz IEC 60947-2 18 kA 500...525 V AC 50/60 Hz IEC 60947-2 35 kA 380...415 V AC 50/60 Hz IEC 60947-2 35 kA 440 V AC 50/60 Hz IEC 60947-2
[U _{imp}] rated impulse withstand voltage	8 kV IEC 60947-2
Trip unit technology	Thermal-magneticTM-D,
Continuous current rating	80 %
[U _i] rated insulation voltage	800 V IEC 60947-2
Trip unit name	TM-D
Suitability for isolation	Yes IEC 60947-2
Utilisation category	Category A
Mechanical durability	15000 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)

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

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	44.3 lbf.in (5 N.m) 0.004...0.02 in ² (2.5...16 mm ²) (AWG 14...AWG 4) 79.7 lbf.in (9 N.m) 0.04...0.1 in ² (25...95 mm ²) (AWG 3...AWG 3/0)
Number of slots	1 auxiliary switch OF plug-in) 1 voltage release MN or MX plug-in) 1 alarm switch SD plug-in)
Power wire stripping length	0.8 in (20 mm)
Color	Gray RAL 7016)
9 mm pitches	9
Height	5.4 in (137 mm)
Width	3.2 in (81 mm)
Depth	3.1 in (80 mm)
Product Weight	2.368 lb(US) (1.074 kg)
Quantity per Set	Set of 1
Circuit breaker application	HACR rated

Environment

Quality labels	CE
Standards	EN/IEC 60947-2 EN/IEC 60947-5-1 UL 489 GB 14048.2 NEMA AB1 NMX J-266 CSA C22.2 No 5
Product certifications	UL IEC CCC EAC CSA NOM
IP degree of protection	Front cover IP40 IEC 60529
IK degree of protection	IK07 conforming to IEC 62262
Pollution degree	3 IEC 60947-1
Ambient Air Temperature for Operation	-13...158 °F (-25...70 °C)
Ambient Air Temperature for Storage	-58...185 °F (-50...85 °C)
Operating altitude	6561.68 ft (2000 m) without derating 5000 m with derating

Ordering and shipping details

Category	US10DE201131
Discount Schedule	0DE2
GTIN	3606481149367
Returnability	No

Country of origin	US
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Packing Units

Unit Type of Package 1	PCE
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Nbr. of units in pkg.	1
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Package 1 Height	3.31 in (8.400 cm)
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Package 1 Width	4.69 in (11.900 cm)
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Package 1 Length	8.11 in (20.600 cm)
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Package weight(Lbs)	2.599 lb(US) (1.179 kg)
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Unit Type of Package 2	S03
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Number of Units in Package 2	6
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Package 2 Height	11.81 in (30.000 cm)
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Package 2 Width	11.81 in (30.000 cm)
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Package 2 Length	15.75 in (40.000 cm)
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Package 2 Weight	18.739 lb(US) (8.500 kg)
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Environmental Data

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

Carbon footprint (kg CO2 eq, Total Life cycle) 335

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 content performance Halogen free product

PVC free Yes

Use Again

Repack and remanufacture

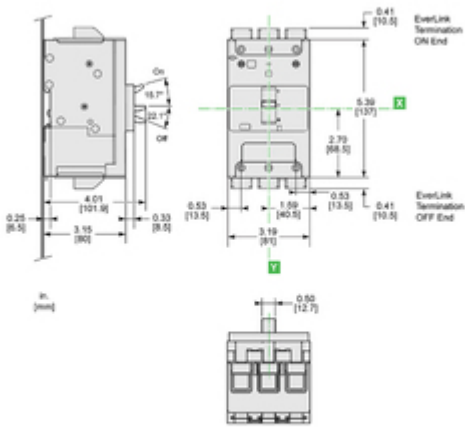
Circularity Profile No need of specific recycling operations

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



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