

Product data sheet

Specifications

SQUARE D



Circuit breaker, PowerPact B,
90A, 3 pole, 600Y/347VAC, 18kA,
I-Line, thermal magnetic, 80%,
ABC

BGA36090

Product availability: Stock - Normally stocked in distribution facility

Price*: 1,595.00 USD

Main

Range	PowerPact
product name	PowerPact B
Device short name	BG 090
Product or Component Type	Circuit breaker
Device Application	Distribution

Complementary

Line Rated Current	90 A
Number of Poles	3P
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
[Ue] rated operational voltage	525 V AC 50/60 Hz UL 489
Network Frequency	50/60 Hz
[Ics] 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
[Uimp] rated impulse withstand voltage	8 kV IEC 60947-2
Trip unit technology	Thermal-magnetic
Continuous current rating	80 %
[Ui] rated insulation voltage	800 V IEC 60947-2
Suitability for isolation	Yes IEC 60947-2
Utilisation category	Category A
Mechanical durability	20000 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 14...AWG 2/0 aluminium/copper
Local signalling	Presence of auxiliary contacts flag green)
Mounting mode	I-Line
Electrical connection	I-Line connection, line Lugs, load
Mounting Height	4.5 in (114 mm)
Tightening torque	31.9...38.9 lbf.in (3.6...4.4 N.m) 0.004...0.009 in ² (2.5...6 mm ²) (AWG 14...AWG 10) 44.3...54.9 lbf.in (5...6.2 N.m) 0.02...0.1 in ² (10...70 mm ²) (AWG 8...AWG 2/0)
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	3.5 in (89 mm)
Net Weight	2.899 lb(US) (1.315 kg)
Quantity per Set	Set of 1
Phase connection	ABC
Circuit breaker application	HACR rated

Environment

Quality labels	CE
Standards	EN/IEC 60947-2 UL 489 EN/IEC 60947-5-1 NEMA AB1 GB 14048.2 CSA C22.2 No 5 NMX J-266
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	US10DE201134
Discount Schedule	0DE2
GTIN	3606481153913

Returnability	Yes
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Country of origin	US
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Packing Units

Unit Type of Package 1	PCE
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Number of Units in Package 1	1
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Package 1 Height	4.88 in (12.4 cm)
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Package 1 Width	8.11 in (20.6 cm)
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Package 1 Length	12.72 in (32.3 cm)
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Package 1 Weight	4.10 lb(US) (1.86 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)	266
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Environmental Disclosure	Product Environmental Profile
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Use Better

Materials and Substances

Packaging made with recycled cardboard	Yes
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Packaging without single use plastic	Yes
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EU RoHS Directive	Compliant with Exemptions
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REACH Regulation	REACH Declaration
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China RoHS Regulation	China RoHS declaration
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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
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PVC free	Yes
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Use Again

 **Repack and remanufacture**

Circularity Profile	No need of specific recycling operations
Removable battery	No
WEEE	 <p>The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.</p>
Halogen content performance	Halogen free product
Take-back	No

Technical Illustration

Dimensions

