



Main

Range	PowerPact
Product name	PowerPact B
Device short name	BG 100
Product or component type	Circuit breaker
Device application	Distribution

Complementary

Line Rated Current	100 A
Number of Poles	1P
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 480Y/277 V AC 50/60 Hz UL 489 18 KA 600Y/347 V AC 50/60 Hz UL 489 20 kA 125 V DC UL 489
[Ue] rated operational voltage	240 V AC 50/60 Hz UL 489
[Ics] rated service breaking capacity	65 kA 220...240 V AC 50/60 Hz IEC 60947-2
[Uimp] rated impulse withstand voltage	8 kV IEC 60947-2
[Ui] rated insulation voltage	800 V IEC 60947-2
Trip unit technology	Thermal-magnetic
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 5.2 240 V In
Connection pitch	1.06 in (27 mm)
Local signalling	Presence of auxiliary contacts flag green)
Mounting mode	I-Line
Electrical connection	I-Line connection line Lugs load
AWG gauge	AWG 14...AWG 2/0 aluminium/copper
Mounting height	1.50 in (38.1 mm)
Tightening torque	31.86...38.94 Lbf.in (3.6...4.4 N.m) 0.00...0.01 in ² (2.5...6 mm ²) AWG 14...AWG 10) 44.25...54.87 lbf.in (5...6.2 N.m) 0.02...0.11 in ² (10...70 mm ²) AWG 8...AWG 2/0)
Power wire stripping length	0.79 in (20 mm)
Color	Gray RAL 7016)
9 mm pitches	3
Height	5.39 in (137 mm)
Maximum Width	1.06 in (27 mm)
Depth	3.50 in (89 mm)
Net Weight	1.41 lb(US) (0.6375 kg)
Quantity per set	Set of 1

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Phase connection	A
Continuous current rating	80 %

Environment

Quality labels	CE
Standards	EN/IEC 60947-5-1 CSA C22.2 No 5 GB 14048.2 EN/IEC 60947-2 NMX J-266 UL 489 NEMA AB1
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 conforming to 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	01134-BGA I-LINE BREAKER
Discount Schedule	DE2
GTIN	00785901066835
Package weight(Lbs)	25.76 oz (730.284 g)
Returnability	Yes

Offer Sustainability

Sustainable offer status	Green Premium product
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
REACH Regulation	REACH Declaration
EU RoHS Directive	Compliant EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS Declaration
Environmental Disclosure	Product Environmental Profile
PVC free	Yes
Halogen content performance	Halogen free product