Product data sheet

Specifications



Circuit breaker, PowerPacT B, 40A, 3 pole, 600Y/347VAC, 18kA, I-Line, thermal magnetic, 80%, ABC

BGA36040

Product availability: Stock - Normally stocked in distribution facility

Main

Range	PowerPact
Product name	PowerPact B
Device short name	BG 040
Product or Component Type	Circuit breaker
Device Application	Distribution

Complementary

Line Rated Current	40 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)
AWG gauge	14 AWG...2/0 AWG aluminium/copper
Local signalling	Presence of auxiliary contacts flag green)

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

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

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 in² (2.5…6 mm²) (14 AWG...10 AWG) 44.3…54.9 lbf.in (5…6.2 N.m) 0.02…0.1 in² (10…70 mm²) (8 AWG...2/0 AWG)
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 EN/IEC 60947-5-1 CSA C22.2 No 5 GB 14048.2 NEMA AB1 UL 489 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	3606481153753
Returnability	Yes
Country of origin	MX

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	6.000 in (15.240 cm)
Package 1 Width	7.800 in (19.812 cm)
Package 1 Length	11.600 in (29.464 cm)
Package weight(Lbs)	3.801 lb(US) (1.724 kg)
Unit Type of Package 2	PAL
Number of Units in Package 2	140
Package 2 Height	45.000 in (114.300 cm)
Package 2 Width	40.000 in (101.600 cm)
Package 2 Length	48.000 in (121.920 cm)
Package 2 Weight	560.001 lb(US) (254.012 kg)

Contractual warranty

Warranty (in months)	18

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

Total lifecycle Carbon footprint	**227 kg CO2 eq.**
Carbon footprint of the manufacturing phase [A1 to A3]	**7 kg CO2 eq.**
Carbon footprint of the distribution phase [A4]	**0 kg CO2 eq.**
Carbon footprint of the installation phase [A5]	**0.4 kg CO2 eq.**
Carbon footprint of the use phase [B2, B3, B4, B6]	**217 kg CO2 eq.**
Carbon footprint of the end-of-life phase [C1 to C4]	**2 kg CO2 eq.**
Environmental Disclosure	**Product Environmental Profile**

Use Better

Materials and Substances

Packaging made with recycled cardboard	**Yes**
Packaging without single use plastic	**Yes**
SCIP Number	**42816a74-6c29-4456-9183-8c3fa59a5a4c**
EU RoHS Directive	**Compliant By Exemption**
REACh Regulation	**Reference contains Substances of Very High Concern above the threshold**
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

Recyclability potential, in %	**55**
Circularity Profile	**No need of specific recycling operations**
Removable battery	**No**
Take-back	**No**