Product data sheet

Specifications



Circuit breaker, PowerPacT B, 20A, 1 pole, 600Y/347VAC, 65kA, I-Line, thermal magnetic, 80%, C

BKA160205

Product availability: Stock - Normally stocked in distribution facility

Main

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

Complementary

Line Rated Current	20 A
Number of Poles	1P
Control Type	Toggle
Breaking capacity code	K
Breaking capacity	100 kA 208Y/120 V AC 50/60 Hz UL 489 100 kA 240 V AC 50/60 Hz UL 489 65 kA 480Y/277 V AC 50/60 Hz UL 489 65 kA 600Y/347 V AC 50/60 Hz UL 489
Network Frequency	50/60 Hz
[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	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	1.5 in (38.1 mm)
Tightening torque	31.9…38.9 lbf.in (3.6…4.4 N.m) 0.004…0.009 in² (2.5…6 mm²) (AWG 14...AWG 10) 44.3…54.9 lbf.in (5…6.2 N.m) 0.02…0.1 in² (10…70 mm²) (AWG 8...AWG 2/0)

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

Color	Gray RAL 7016)
9 mm pitches	3
Height	5.4 in (137 mm)
Width	1.06 in (27 mm)
Depth	3.5 in (89 mm)
Net Weight	1.4054 lb(US) (0.6375 kg)
Quantity per Set	Set of 1
Phase connection	C
Circuit breaker application	HACR rated

Environment

Standards	EN/IEC 60947-2 UL 489 CSA C22.2 No 5 GB 14048.2 NEMA AB1 NMX J-266 EN/IEC 60947-5-1
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	US10DE201135
Discount Schedule	0DE2
GTIN	3606489779375
Returnability	Yes
Country of origin	MX

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	1.50 in (3.81 cm)
Package 1 Width	7.750 in (19.685 cm)
Package 1 Length	11.625 in (29.528 cm)
Package weight(Lbs)	25.760 oz (730.284 g)

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)	63
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: Cancer and Reproductive Harm - 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

Technical Illustration

Dimensions

