# Product data sheet

Specifications





Circuit breaker, PowerPacT B, 50A, 3 pole, 600Y/347VAC, 14kA, I-Line, thermal magnetic, 80%, ABC

BDA36050

Product availability: Stock - Normally stocked in distribution facility

### Price\*: 1,012.00 USD

### Main

Range	PowerPact	
Product name	PowerPact B	
Device short name	BD 050	
Product or Component Type	Circuit breaker	
Device Application	Distribution	

### Complementary

Line Rated Current	50 A	
Number of Poles	3P	
Control Type	Toggle	
Breaking capacity code	D	
Breaking capacity	25 kA 208Y/120 V AC 50/60 Hz UL 489 25 kA 240 V AC 50/60 Hz UL 489 18 kA 480/277 V AC 50/60 Hz UL 489 18 kA 480 V AC 50/60 Hz UL 489 14 kA 600Y/347 V AC 50/60 Hz UL 489 10 kA 250 V DC UL 489	
[Ue] rated operational voltage	525 V AC 50/60 Hz UL 489	
Network Frequency	50/60 Hz	
[Ics] rated service breaking capacity	25 kA 220240 V AC 50/60 Hz IEC 60947-2 18 kA 500525 V AC 50/60 Hz IEC 60947-2 14 kA 380415 V AC 50/60 Hz IEC 60947-2 18 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 14AWG 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	31.938.9 lbf.in (3.64.4 N.m) 0.0040.009 in² (2.56 mm²) (AWG 14AWG 10) 44.354.9 lbf.in (56.2 N.m) 0.020.1 in² (1070 mm²) (AWG 8AWG 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	NEMA AB1
	CSA C22.2 No 5
	GB 14048.2
	EN/IEC 60947-5-1
	UL 489
	NMX J-266
	EN/IEC 60947-2
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	-13158 °F (-2570 °C)
Ambient Air Temperature for Storage	-58185 °F (-5085 °C)
Operating altitude	< 6561.68 ft (2000 m) without derating
	5000 m with derating

## Ordering and shipping details

Category	US10DE201133	
Discount Schedule	0DE2	
GTIN	3606481152626	

Returnability	Yes
Country of origin	MX

## **Packing Units**

-	
Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	5.800 in (14.732 cm)
Package 1 Width	7.900 in (20.066 cm)
Package 1 Length	11.600 in (29.464 cm)
Package 1 Weight	3.801 lb(US) (1.724 kg)

## Sustainability Screen Premium

**Green Premium<sup>TM</sup> label** is Schneider Electric's commitment to delivering products with best-inclass environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> products.

**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >



Transparency RoHS/REACh

#### Well-being performance



#### **Certifications & Standards**

Reach Regulation	REACh Declaration
Eu Rohs Directive	Compliant with Exemptions
China Rohs Regulation	China RoHS declaration Product out of China RoHS scope. Substance declaration for your information.
Environmental Disclosure	Product Environmental Profile
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.
Circularity Profile	No need of specific recycling operations
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