

# Product data sheet

Specifications

SQUARE D

Green Premium™



Circuit breaker, PowerPact B, 50A, 3 pole, 600Y/347VAC, 25kA, lugs, thermal magnetic, 80%

BJL36050

Product availability: Non-Stock - Not normally stocked in distribution facility

Price\*: 1,754.00 USD

## Main

Range	PowerPact
Product Name	PowerPact B
Device Short Name	BJ 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	J
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 480/277 V AC 50/60 Hz UL 489 65 kA 480 V AC 50/60 Hz UL 489 25 kA 600Y/347 V AC 50/60 Hz UL 489 50 kA 250 V DC UL 489
[Ue] Rated Operational Voltage	690 V AC 50/60 Hz UL 489
Network Frequency	50/60 Hz
[Ics] Rated Service Breaking Capacity	100 kA 220...240 V AC 50/60 Hz IEC 60947-2 25 kA 500...525 V AC 50/60 Hz IEC 60947-2 2.5 kA 690 V AC 50/60 Hz IEC 60947-2 65 kA 380...415 V AC 50/60 Hz IEC 60947-2 65 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.

<b>Awg Gauge</b>	AWG 6...AWG 2/0 fine stranded aluminium/copper AWG 14...AWG 3/0 rigid or stranded aluminium/copper
<b>Local Signalling</b>	Presence of auxiliary contacts flag green)
<b>Mounting Mode</b>	Clip-on 35 x 15 mm symmetrical DIN rail) By screws plate)
<b>Electrical Connection</b>	Everlink lug, line Everlink lug, load
<b>Tightening Torque</b>	44.25 lbf.in (5 N.m) 0.00...0.02 in <sup>2</sup> (2.5...16 mm <sup>2</sup> ) (AWG 14...AWG 4) 79.66 lbf.in (9 N.m) 0.04...0.15 in <sup>2</sup> (25...95 mm <sup>2</sup> ) (AWG 3...AWG 3/0)
<b>Number Of Slots</b>	1 auxiliary switch OF plug-in) 1 voltage release MN or MX plug-in) 1 alarm switch SD plug-in)
<b>Power Wire Stripping Length</b>	0.79 in (20 mm)
<b>Color</b>	Gray RAL 7016)
<b>9 Mm Pitches</b>	9
<b>Height</b>	5.39 in (137 mm)
<b>Width</b>	3.19 in (81 mm)
<b>Depth</b>	3.15 in (80 mm)
<b>Net Weight</b>	2.37 lb(US) (1.074 kg)
<b>Quantity Per Set</b>	Set of 1
<b>Circuit Breaker Application</b>	HACR rated

## Environment

<b>Quality Labels</b>	CE
<b>Standards</b>	NEMA AB1 GB 14048.2 NMX J-266 EN/IEC 60947-2 EN/IEC 60947-5-1 UL 489 CSA C22.2 No 5
<b>Product Certifications</b>	UL IEC CCC EAC CSA NOM
<b>Ip Degree Of Protection</b>	Front cover IP40 IEC 60529
<b>Ik Degree Of Protection</b>	IK07 conforming to IEC 62262
<b>Pollution Degree</b>	3 IEC 60947-1
<b>Ambient Air Temperature For Operation</b>	-13...158 °F (-25...70 °C)
<b>Ambient Air Temperature For Storage</b>	-58...185 °F (-50...85 °C)
<b>Operating Altitude</b>	< 6561.68 ft (2000 m) without derating 5000 m with derating

## Ordering and shipping details

<b>Category</b>	US10DE201132
<b>Discount Schedule</b>	0DE2
<b>Gtin</b>	3606481186027
<b>Returnability</b>	No

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Country Of Origin	MX
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## Packing Units

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Unit Type Of Package 1	PCE
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Number Of Units In Package 1	1
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Package 1 Height	4.00 in (10.16 cm)
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Package 1 Width	6.50 in (16.51 cm)
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Package 1 Length	10.50 in (26.67 cm)
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Package 1 Weight	2.93 lb(US) (1.329 kg)
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## Sustainability

**Green Premium™ label** is Schneider Electric's commitment to delivering products with best-in-class 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

✓ Mercury Free

✓ Rohs Exemption Information Yes

✓ Pvc Free

✓ Halogen Free Product

## 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](http://www.P65Warnings.ca.gov)