

# Product data sheet

Specifications



Circuit breaker, PowerPacT B,  
110A, 3 pole, 600Y/347VAC, 14kA,  
terminal nut, thermal magnetic, 80%

BDF36110

## Main

Range	PowerPact
Product Name	PowerPact B
Device Short Name	BD 110
Product Or Component Type	Circuit breaker
Device Application	Distribution

## Complementary

[In] Rated Current	110 A
Number Of Poles	3P
Protected Poles Description	3t
Control Type	Toggle
Breaking Capacity Code	D
Breaking Capacity	25 kA at 208Y/120 V AC 50/60 Hz conforming to UL 489 18 kA at 240 V AC 50/60 Hz conforming to UL 489 Icu 25 kA at 480/277 V AC 50/60 Hz conforming to UL 489 Icu 14 kA at 480 V AC 50/60 Hz conforming to UL 489 18 kA at 600Y/347 V AC 50/60 Hz conforming to UL 489 14 kA at 250 V DC conforming to UL 489 25 kA Icu 18 kA
[Ue] Rated Operational Voltage	525 V AC 50/60 Hz conforming to UL 489
Network Frequency	50/60 Hz
[Ics] Rated Service Breaking Capacity	25 kA at 220...240 V AC 50/60 Hz conforming to IEC 60947-2 14 kA at 500...525 V AC 50/60 Hz conforming to IEC 60947-2 18 kA at 380...415 V AC 50/60 Hz conforming to IEC 60947-2 18 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2
[Uimp] Rated Impulse Withstand Voltage	8 kV conforming to IEC 60947-2
Trip Unit Technology	Thermal-magneticTM-D,
Continuous Current Rating	80 %
[Ui] Rated Insulation Voltage	800 V conforming to IEC 60947-2
Trip Unit Name	TM-D
Suitability For Isolation	Yes conforming to IEC 60947-2
Utilisation Category	Category A
Mechanical Durability	15000 cycles conforming to IEC 947-1 Annex K ed 5.2
Electrical Durability	10000 cycles conforming to IEC 947-1 Annex K ed 5.2 at 440 V In
Connection Pitch	27 mm

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

Awg Gauge	AWG 14...AWG 8 aluminium/copper AWG 6...AWG 3/0 aluminium/copper
Local Signalling	Presence of auxiliary contacts: flag (green)
Mounting Mode	Clip-on (35 mm symmetrical DIN rail) By screws (plate)
Electrical Connection	Terminal nut, ON and OFF end
Tightening Torque	5 N.m for 2.5...16 mm² (AWG 14...AWG 4) 9 N.m for 25...95 mm² (AWG 3...AWG 3/0)
Number Of Slots	1 slot(s) for auxiliary switch OF (plug-in) 1 slot(s) for voltage release MN or MX (plug-in) 1 slot(s) for alarm switch SD (plug-in)
Power Wire Stripping Length	20 mm
Color	Grey (RAL 7016)
9 Mm Pitches	9
Height	137 mm
Width	81 mm
Depth	80 mm
Net Weight	0.924 kg
Quantity Per Set	Set of 1
Circuit Breaker Application	HACR rated

## Environment

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

## Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	8.9 cm
Package 1 Width	18 cm

Package 1 Length	26 cm
Package 1 Weight	1.3 kg

## 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

Eu Rohs Directive	Compliant <a href="#">EU RoHS Declaration</a>
China Rohs Regulation	<a href="#">China RoHS declaration</a> Product out of China RoHS scope. Substance declaration for your information
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
California Proposition 65	WARNING: Cancer and Reproductive Harm - <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>