





Circuit breaker, PowerPacT B, 50A, 1 pole, 480Y/277VAC, 18kA, I-Line, thermal magnetic, 80%, A

BDA140501

Product availability: Stock - Normally stocked in distribution facility

Price*: 309.00 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	1P
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 480Y/277 V AC 50/60 Hz UL 489 10 kA 125 V DC 50/60 Hz UL 489 14 kA 600/347 V AC 50/60 Hz UL 489
[Ue] Rated Operational Voltage	240 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
[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 14AWG 2/0 aluminium/copper
Local Signalling	Presence of auxiliary contacts flag green)
Mounting Mode	I-Line

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

Electrical Connection	I-Line connection, line Lugs, load	
Mounting Height	1.50 in (38.1 mm)	
Tightening Torque 31.8638.94 lbf.in (3.64.4 N.m) 0.000.01 in² (2.56 mm²) (AWG 14 44.2554.87 lbf.in (56.2 N.m) 0.020.11 in² (1070 mm²) (AWG 8AV		
Power Wire Stripping Length	ver Wire Stripping Length 0.79 in (20 mm)	
Color	Gray RAL 7016)	
9 Mm Pitches	3	
Height	5.39 in (137 mm)	
Width	1.06 in (27 mm)	
Depth	3.50 in (89 mm)	
Net Weight	1.41 lb(US) (0.6375 kg)	
Quantity Per Set	Set of 1	
Phase Connection	A	
rcuit Breaker Application HACR rated		

Environment

Quality Labels	CE
Standards	EN/IEC 60947-2 UL 489 CSA C22.2 No 5 GB 14048.2 EN/IEC 60947-5-1 NEMA AB1 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	-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	3606481151612
Returnability	Yes
Country Of Origin	US

Packing Units

Number Of Units In Package 1	1	
Package 1 Height	2.00 in (5.08 cm)	
Package 1 Width	8.50 in (21.59 cm)	
Package 1 Length	13.00 in (33.02 cm)	
Package 1 Weight	25.76 oz (730.284 g)	

Sustainability Green Premium

Green PremiumTM 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-CO₂ 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

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