



## 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
[Ics] rated service breaking capacity	25 KA 220...240 V AC 50/60 Hz IEC 60947-2 14 KA 500...525 V AC 50/60 Hz IEC 60947-2 18 KA 380...415 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
[Ui] rated insulation voltage	800 V IEC 60947-2
Trip unit technology	Thermal-magnetic
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)
Local signalling	Presence of auxiliary contacts flag green)
Mounting mode	I-Line
Electrical connection	I-Line connection line Lugs load
AWG gauge	AWG 14...AWG 2/0 aluminium/copper
Mounting height	4.49 in (114 mm)
Tightening torque	31.86...38.94 Lbf.In (3.6...4.4 N.m) 0.00...0.01 in <sup>2</sup> (2.5...6 mm <sup>2</sup> ) AWG 14...AWG 10) 44.25...54.87 lbf.in (5...6.2 N.m) 0.02...0.11 in <sup>2</sup> (10...70 mm <sup>2</sup> ) AWG 8...AWG 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	0.79 in (20 mm)
Color	Gray RAL 7016)
9 mm pitches	9

Maximum Height	5.39 in (137 mm)
Maximum Width	3.19 in (81 mm)
Maximum Depth	3.50 in (89 mm)
Net Weight	2.90 lb(US) (1.315 kg)
Quantity per set	Set of 1
Phase connection	ABC
Continuous current rating	80 %

## 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 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	01133 - BDA I-LINE BREAKER
Discount Schedule	DE2
GTIN	03606481152626
Nbr. of units in pkg.	1
Package weight(Lbs)	3.83 lb(US) (1.74 kg)
Returnability	Yes
Country of origin	MX

## Packing Units

Package 1 Height	4.70 in (11.938 cm)
Package 1 width	5.90 in (14.986 cm)
Package 1 Length	10.80 in (27.432 cm)

## Offer Sustainability

Sustainable offer status	Green Premium product
EU RoHS Directive	Compliant  <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
RoHS exemption information	 Yes
China RoHS Regulation	 <a href="#">China RoHS Declaration</a>
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.
PVC free	Yes
Halogen content performance	Halogen free product