

# Product data sheet

## Characteristics

# BDA36090

Circuit breaker, PowerPact B, 90A, 3 pole, 600Y/347VAC, 14kA, I-Line, thermal magnetic, 80%, ABC

Product availability: Stock - Normally stocked in distribution facility

Price\*: 1225.00 USD



### Main

Range	PowerPact
Product name	PowerPact B
Device short name	BD 090
Product or Component Type	Circuit breaker
Device Application	Distribution

### Complementary

Line Rated Current	90 A
Poles description	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 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
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 14...AWG 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	31.9...38.9 Lbf.In (3.6...4.4 N.m) 0.004...0.009 in <sup>2</sup> (2.5...6 mm <sup>2</sup> ) (AWG 14...AWG 10) 44.3...54.9 Lbf.In (5...6.2 N.m) 0.02...0.1 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)
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	NMX J-266 EN/IEC 60947-2 GB 14048.2 NEMA AB1 UL 489 CSA C22.2 No 5 EN/IEC 60947-5-1
Product certifications	UL[RETURN]IEC[RETURN]CCC[RETURN]EAC[RETURN]CSA[RETURN]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	-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	US10DE201133
Discount Schedule	0DE2
GTIN	3606481152701
Returnability	Yes
Country of origin	US

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	5.00 In (12.7 cm)
Package 1 Width	8.11 In (20.6 cm)
Package 1 Length	12.72 In (32.3 cm)
Package 1 Weight	4.23 Lb(US) (1.92 kg)

## Environmental data

Packaging without single use plastic	Yes
Packaging made with recycled cardboard	Yes
California proposition 65	WARNING: This product can expose you to chemicals including: DIN-P, which is known to the State of California to cause cancer, and DID-P, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>
REACH Regulation	<a href="#">REACH Declaration</a>
EU RoHS Directive	Compliant with Exemptions <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
Sustainable packaging	Yes
RoHS exemption information	<a href="#">Yes</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	No need of specific recycling operations
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
Take-back	No
Removable battery	No
Carbon footprint (kg CO2 eq, Total Life cycle)	330

Product Life Status : **Commercialised**