Product data sheet
Characteristics

BDA161003
Circuit breaker, PowerPacT B, 100A, 1 pole, 600Y/347VAC, 14kA, I-Line, thermal magnetic, 80%, B

Main

Range	PowerPact
Product name	PowerPact B
Device short name	BD 100
Product or Component Type	Circuit breaker
Device Application	Distribution

Complementary

Line Rated Current	100 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 14 KA 125 V DC 50/60 Hz UL 489 10 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 220...240 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	1.50 in (38.1 mm)
Tightening torque	31.86…38.94 Lbf.In (3.6…4.4 N.m) 0.00…0.01 in² (2.5…6 mm²) (AWG 14...AWG 10) 44.25…54.87 lbf.in (5…6.2 N.m) 0.02…0.11 in² (10…70 mm²) (AWG 8...AWG 2/0)
Power wire stripping length	0.79 in (20 mm)
Color	Gray RAL 7016)
9 mm pitches	3
Height	5.39 in (137 mm)

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein.
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.
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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	B
Circuit breaker application	HACR rated

Environment

Quality labels	CE
Standards	UL 489 EN/IEC 60947-5-1 GB 14048.2 EN/IEC 60947-2 CSA C22.2 No 5 NEMA AB1 NMX J-266
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 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	3606481151278
Returnability	Yes
Country of origin	MX

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1

Offer Sustainability

Sustainable offer status	Green Premium product
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
REACh Regulation	REACh Declaration
EU RoHS Directive	Compliant with Exemptions
Mercury free	Yes
China RoHS Regulation	China RoHS Declaration
RoHS exemption information	Yes
Environmental Disclosure	Product Environmental Profile
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