

Product availability : Stock - Normally stocked in distribution facility



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
Poles description	2P
Protected poles description	2t
Control type	Toggle
Breaking capacity code	D
Breaking capacity	25 kA at 240 V AC 50/60 Hz according to UL 489 18 kA at 480 V AC 50/60 Hz according to UL 489 Icu: 25 kA at 220...240 V AC 50/60 Hz according to IEC 60947-2 Icu: 18 kA at 380...415 V AC 50/60 Hz according to IEC 60947-2 Icu: 18 kA at 440 V AC 50/60 Hz according to IEC 60947-2 Icu: 14 kA at 500...525 V AC 50/60 Hz according to IEC 60947-2 18 kA at 480Y/277 V AC 50/60 Hz according to UL 489 14 kA at 600Y/347 V AC 50/60 Hz according to UL 489 25 kA at 208Y/120 V AC 50/60 Hz according to UL 489
System Voltage	600Y/347 V AC 50/60 Hz according to UL 489 500/525 V AC 50/60 Hz according to IEC 60947-2
[Ics] rated service breaking capacity	25 kA: at 220...240 V AC 50/60 Hz according to IEC 60947-2 18 kA: at 380...415 V AC 50/60 Hz according to IEC 60947-2 18 kA: at 440 V AC 50/60 Hz according to IEC 60947-2 14 kA: at 500...525 V AC 50/60 Hz according to IEC 60947-2
[Uimp] rated impulse withstand voltage	8 kV according to IEC 60947-2
[Ui] rated insulation voltage	800 V according to IEC 60947-2
Trip unit technology	Thermal-magnetic
Trip unit name	TM-D
Suitability for isolation	Yes according to IEC 60947-2
Utilisation category	Category A
Mechanical durability	20000 cycles according to IEC 947-1 Annex K ed 5.2

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

Electrical durability	10000 cycles according to IEC 947-1 Annex K ed 5.2 In at 440 V
Connection pitch	1.06 in (27 mm)
Local signalling	Green flag presence of auxiliary contacts
Mounting mode	I-Line
Electrical connection	I-Line connection at line Lugs at load
AWG gauge	AWG 14...AWG 2/0 (aluminium/copper)
Mounting height	3 in (76.2 mm)
Tightening torque	3.6...4.4 N.m 0...0.01 in ² (2.5...6 mm ²) (AWG 14...AWG 10) 5...6.2 N.m 0.02...0.11 in ² (10...70 mm ²) (AWG 8...AWG 2/0)
Number of slots	1 auxiliary switch OF (plug-in) 1 voltage release MN or MX (plug-in)
Wire stripping length	0.79 in (20 mm)
Colour	Grey (RAL 7016)
9 mm pitches	6
Height	5.39 in (137 mm)
Width	2.13 in (54 mm)
Depth	3.5 in (89 mm)
Product weight	2.1 lb(US) (0.952 kg)
Quantity per set	Set of 1
Phase connection	AB

Environment

Quality labels	CE
Standards	CSA C22.2 No 5 EN/IEC 60947-2 GB 14048.2 NMX J-266 EN/IEC 60947-5-1 NEMA AB1 UL 489
Product certifications	UL CSA CCC EAC NOM IEC
IP degree of protection	IP40 (front cover) according to IEC 60529
IK degree of protection	IK07 according to IEC 62262
Pollution degree	3 according to 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	5000 m with derating 6561.68 ft (2000 m) without derating

Ordering and shipping details

Category	01133 - BDA I-LINE BREAKER
Discount Schedule	DE2
GTIN	00785901049050
Nbr. of units in pkg.	1
Package weight(Lbs)	3.100000000000001
Returnability	Y
Country of origin	MX