



Main

Range	PowerPact
Product name	PowerPact B
Device short name	BJ 050
Product or component type	Circuit breaker
Device application	Distribution

Complementary

Line Rated Current	50 A
Poles description	2P
Protected poles description	2t
Control type	Toggle
Breaking capacity code	J
Breaking capacity	100 kA at 240 V AC 50/60 Hz according to UL 489 65 kA at 480 V AC 50/60 Hz according to UL 489 Icu: 100 kA at 220...240 V AC 50/60 Hz according to IEC 60947-2 Icu: 65 kA at 380...415 V AC 50/60 Hz according to IEC 60947-2 Icu: 65 kA at 440 V AC 50/60 Hz according to IEC 60947-2 Icu: 25 kA at 500...525 V AC 50/60 Hz according to IEC 60947-2 Icu: 10 kA at 690 V AC 50/60 Hz according to IEC 60947-2 65 kA at 480Y/277 V AC 50/60 Hz according to UL 489 25 kA at 600Y/347 V AC 50/60 Hz according to UL 489 100 kA at 208Y/120 V AC 50/60 Hz according to UL 489
System Voltage	690 V AC 50/60 Hz according to IEC 60947-2 600Y/347 V AC 50/60 Hz according to UL 489
[Ics] rated service breaking capacity	100 kA: at 220...240 V AC 50/60 Hz according to IEC 60947-2 65 kA: at 380...415 V AC 50/60 Hz according to IEC 60947-2 65 kA: at 440 V AC 50/60 Hz according to IEC 60947-2 25 kA: at 500...525 V AC 50/60 Hz according to IEC 60947-2 10 kA: at 690 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
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
Continuous current rating	80 %

Environment

Quality labels	CE
Standards	NEMA AB1 UL 489 EN/IEC 60947-2 GB 14048.2 CSA C22.2 No 5 NMX J-266 EN/IEC 60947-5-1
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	01135 - BJA/BKA I-LINE BREAKER
Discount Schedule	DE2
GTIN	00785901058397
Nbr. of units in pkg.	1
Package weight(Lbs)	1.9000000000000001
Returnability	Y
Country of origin	US