Product data sheet Characteristics

BJA160701

Circuit breaker, PowerPacT B, 70A, 1 pole, 600Y/347VAC, 25kA, I-Line, thermal magnetic, 80%, A





Main

Range	PowerPact
Product name	PowerPact B
Device short name	BJ 070
Product or Component Type	Circuit breaker
Device Application	Distribution

Line Rated Current 70 A Number of Poles 1P Control type Toggle Breaking capacity code J Breaking capacity 100 KA 208Y/120 V AC 50/60 Hz UL 489 100 KA 240 V AC 50/60 Hz UL 489 56 KA 480Y/277 V AC 50/60 Hz UL 489 56 KA 480Y/277 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 65 KA 220240 V AC 50/60 Hz IEC 60947-2 [Uimp] rated impulse withstand voltage 8 kV IEC 60947-2 Trip unit etchnology Thermal-magnetic Continuous current rating 80 % [Ui] rated insulation voltage 800 V IEC 60947-2 Suitability for isolation Yes IEC 60947-2 Uitlisation 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 Concels ingralling Presence of auxiliary contacts flag green) Mounting mode I-Line Electrical connection Line connection, line Lugs, load Mounting height 1.50 in (38.1 mm)	Complementary	
Control type Toggle Breaking capacity code J Breaking capacity code J Breaking capacity 100 KA 208Y/120 V AC 50/60 Hz UL 489 100 KA 240 V AC 50/60 Hz UL 489 65 KA 480Y/277 V AC 50/60 Hz UL 489 55 KA 480Y/277 V AC 50/60 Hz UL 489 55 KA 480Y/277 V AC 50/60 Hz UL 489 55 KA 250 V DC UL 489 [Ue] rated operational voltage 240 V AC 50/60 Hz UL 489 Network Frequency 50/60 Hz [Ics] rated service breaking capacity 65 KA 220240 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 A Mechanical durability 2000 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 14AWG 2/0 aluminium/copper Local signalling Presence of auxiliary contacts flag green) Mounting mode I-Line Electrical connection Lugs, load Mounting height 1.50 in (38.1 mm) Tightening bright 1.50 in (38.1 mm) Tightening torque 31.864.4 N.m) 0.000.01 in² (2.56 mm²) (AWG 14AWG 2/0) Color Gray RAL 7016) 9 mm pitches 3	Line Rated Current	70 A
Breaking capacity code Breaking capacity 100 KA 208Y/120 V AC 50/60 Hz UL 489 100 KA 240 V AC 50/60 Hz UL 489 65 KA 480Y/277 V AC 50/60 Hz UL 489 65 KA 480Y/277 V AC 50/60 Hz UL 489 55 KA 600Y/347 V AC 50/60 Hz UL 489 50 KA 120 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 65 KA 220240 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 14AWG 2/0 aluminium/copper Local signalling Presence of auxiliary contacts flag green) Mounting mode I-Line Electrical connection Lugs, load Mounting height 1.50 in (38.1 mm) Tightening torque 31.8638.94 Lbf.In (3.64.4 N.m) 0.000.01 in² (2.56 mm²) (AWG 14AWG 2/0) 44.2554.87 lbf.in (56.2 N.m) 0.020.11 in² (1070 mm²) (AWG 8AWG 2/0) 1042 S54.87 lbf.in (56.2 N.m) 0.020.11 in² (1070 mm²) (AWG 8AWG 2/0) 1042 S54.87 lbf.in (56.2 N.m) 0.020.11 in² (1070 mm²) (AWG 8AWG 2/0) 1042 S54.87 lbf.in (56.2 N.m) 0.020.11 in² (1070 mm²) (AWG 8AWG 2/0) 1042 S54.87 lbf.in (56.2 N.m) 0.020.11 in² (1070 mm²) (AWG 8AWG 2/0) 1042 S54.87 lbf.in (56.2 N.m) 0.020.11 in² (1070 mm²) (AWG 8AWG 2/0) 1042 S54.87 lbf.in (56.2 N.m) 0.020.11 in² (1070 mm²) (AWG 8AWG 2/0) 1042 S54.87 lbf.in (56.2 N.m) 0.020.11 in² (1070 mm²) (AWG 8AWG 2/0) 1042 S54.87 lbf.in (56.2 N.m) 0.020.11 in² (1070 mm²) (AWG 8AWG 2/0) 1042 S54.87 lbf.in (56.2 N.m) 0.020.11 in² (1070 mm²) (AWG 8AWG 2/0) 1042 S54.87 lbf.in (56.2 N.m) 0.02.	Number of Poles	1P
Breaking capacity 100 KA 208Y/120 V AC 50/60 Hz UL 489 100 KA 240 V AC 50/60 Hz UL 489 25 KA 600Y/377 V AC 50/60 Hz UL 489 50 KA 480Y/277 V AC 50/60 Hz UL 489 [Ue] rated operational voltage 240 V AC 50/60 Hz UL 489 Network Frequency 50/60 Hz [Les] rated service breaking capacity 65 KA 220240 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 80 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 14AWG 2/0 aluminium/copper Local signalling Presence of auxiliary contacts flag green) Mounting mode I-Line Electrical connection I-Line connection, line Lugs, load I-Line connection, line Mounting height 1.50 in (38.1 mm) Tightening torque 31.8638.	Control type	Toggle
100 KA 240 V AC 50/60 Hz UL 489	Breaking capacity code	J
Network Frequency [Ics] rated service breaking capacity 65 kA 220240 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 14AWG 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 31.8638.94 Lbf.In (3.64.4 N.m) 0.000.01 in² (2.56 mm²) (AWG 14AWG 2/0) 44.2554.87 lbf.in (56.2 N.m) 0.020.11 in² (1070 mm²) (AWG 8AWG 2/0) Foolor Gray RAL 7016)	Breaking capacity	100 KA 240 V AC 50/60 Hz UL 489 65 KA 480Y/277 V AC 50/60 Hz UL 489 25 KA 600Y/347 V AC 50/60 Hz UL 489
[Ics] rated service breaking capacity [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 14AWG 2/0 aluminium/copper Local signalling Presence of auxiliary contacts flag green) Mounting mode I-Line Electrical connection Lugs, load Mounting height 1.50 in (38.1 mm) Tightening torque 31.8638.94 Lbf.In (3.64.4 N.m) 0.000.01 in² (2.56 mm²) (AWG 8AWG 2/0) AWG 9AWG 166.2 N.m) 0.020.11 in² (1070 mm²) (AWG 8AWG 2/0) Gray RAL 7016) 9 mm pitches	[Ue] rated operational voltage	240 V AC 50/60 Hz UL 489
[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 14AWG 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 31.8638.94 Lbf.In (3.64.4 N.m) 0.000.01 in² (2.56 mm²) (AWG 14AWG 2/0) Color Gray RAL 7016) 9 mm pitches 3	Network Frequency	50/60 Hz
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 14AWG 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 31.8638.94 Lbf.In (3.64.4 N.m) 0.000.01 in² (2.56 mm²) (AWG 14AWG 2/0) 44.2554.87 lbf.in (56.2 N.m) 0.020.11 in² (1070 mm²) (AWG 8AWG 2/0) Color Gray RAL 7016) 9 mm pitches	[lcs] rated service breaking capacity	65 kA 220240 V AC 50/60 Hz IEC 60947-2
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 14AWG 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 31.8638.94 Lbf.In (3.64.4 N.m) 0.000.01 in² (2.56 mm²) (AWG 14AWG 10) 44.2554.87 lbf.in (56.2 N.m) 0.020.11 in² (1070 mm²) (AWG 8AWG 2/0) Color Gray RAL 7016) 9 mm pitches 3	[Uimp] rated impulse withstand voltage	8 kV IEC 60947-2
[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 14AWG 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 31.8638.94 Lbf.In (3.64.4 N.m) 0.000.01 in² (2.56 mm²) (AWG 14AWG 2/0) 44.2554.87 lbf.in (56.2 N.m) 0.020.11 in² (1070 mm²) (AWG 8AWG 2/0) Color Gray RAL 7016) 9 mm pitches 3	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) AWG gauge AWG 14AWG 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 31.8638.94 Lbf.ln (3.64.4 N.m) 0.000.01 in² (2.56 mm²) (AWG 14AWG 10) 44.2554.87 lbf.in (56.2 N.m) 0.020.11 in² (1070 mm²) (AWG 8AWG 2/0) Color Gray RAL 7016) 9 mm pitches	Continuous current rating	80 %
Utilisation category 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 14AWG 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 31.8638.94 Lbf.In (3.64.4 N.m) 0.000.01 in² (2.56 mm²) (AWG 14AWG 10) 44.2554.87 lbf.in (56.2 N.m) 0.020.11 in² (1070 mm²) (AWG 8AWG 2/0) Color Gray RAL 7016) 9 mm pitches 3	[Ui] rated insulation voltage	800 V IEC 60947-2
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 14AWG 2/0 aluminium/copper Local signalling Presence of auxiliary contacts flag green) Mounting mode I-Line Electrical connection Lugs, load Mounting height 1.50 in (38.1 mm) Tightening torque 31.8638.94 Lbf.In (3.64.4 N.m) 0.000.01 in² (2.56 mm²) (AWG 14AWG 10) 44.2554.87 lbf.in (56.2 N.m) 0.020.11 in² (1070 mm²) (AWG 8AWG 2/0) Color Gray RAL 7016) 9 mm pitches 3	Suitability for isolation	Yes IEC 60947-2
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 14AWG 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 31.8638.94 Lbf.In (3.64.4 N.m) 0.000.01 in² (2.56 mm²) (AWG 14AWG 10) 44.2554.87 lbf.in (56.2 N.m) 0.020.11 in² (1070 mm²) (AWG 8AWG 2/0) Color Gray RAL 7016) 9 mm pitches 3	Utilisation category	Category A
Connection pitch 1.06 in (27 mm) AWG gauge AWG 14AWG 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 31.8638.94 Lbf.ln (3.64.4 N.m) 0.000.01 in² (2.56 mm²) (AWG 14AWG 10) (Aug 14	Mechanical durability	20000 cycles IEC 947-1 Annex K ed 5.2
AWG gauge Local signalling Presence of auxiliary contacts flag green) Mounting mode I-Line Electrical connection Lugs, load Mounting height 1.50 in (38.1 mm) Tightening torque 31.8638.94 Lbf.In (3.64.4 N.m) 0.000.01 in² (2.56 mm²) (AWG 14AWG 10) 44.2554.87 lbf.in (56.2 N.m) 0.020.11 in² (1070 mm²) (AWG 8AWG 2/0) Color Gray RAL 7016) 9 mm pitches 3 4	Electrical durability	10000 cycles IEC 947-1 Annex K ed 5.2 440 V In
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 31.8638.94 Lbf.In (3.64.4 N.m) 0.000.01 in² (2.56 mm²) (AWG 14AWG 10) 44.2554.87 lbf.in (56.2 N.m) 0.020.11 in² (1070 mm²) (AWG 8AWG 2/0) Color Gray RAL 7016) 9 mm pitches 3	Connection pitch	1.06 in (27 mm)
Mounting mode I-Line Electrical connection I-Line connection, line Lugs, load Mounting height 1.50 in (38.1 mm) Tightening torque 31.8638.94 Lbf.In (3.64.4 N.m) 0.000.01 in² (2.56 mm²) (AWG 14AWG 10) 44.2554.87 lbf.in (56.2 N.m) 0.020.11 in² (1070 mm²) (AWG 8AWG 2/0) Color Gray RAL 7016) 9 mm pitches 3	AWG gauge	AWG 14AWG 2/0 aluminium/copper
Electrical connection L-Line connection, line Lugs, load	Local signalling	Presence of auxiliary contacts flag green)
Lugs, load Mounting height 1.50 in (38.1 mm) Tightening torque 31.8638.94 Lbf.ln (3.64.4 N.m) 0.000.01 in² (2.56 mm²) (AWG 14AWG 10) 44.2554.87 lbf.in (56.2 N.m) 0.020.11 in² (1070 mm²) (AWG 8AWG 2/0) Color Gray RAL 7016) 9 mm pitches 3	Mounting mode	I-Line
Tightening torque 31.8638.94 Lbf.In (3.64.4 N.m) 0.000.01 in² (2.56 mm²) (AWG 14AWG 10) 44.2554.87 lbf.in (56.2 N.m) 0.020.11 in² (1070 mm²) (AWG 8AWG 2/0) Color Gray RAL 7016) 9 mm pitches 3	Electrical connection	
10) 44.2554.87 lbf.in (56.2 N.m) 0.020.11 in² (1070 mm²) (AWG 8AWG 2/0) Color Gray RAL 7016) 9 mm pitches 3	Mounting height	1.50 in (38.1 mm)
9 mm pitches 3	Tightening torque	10) 44.2554.87 lbf.in (56.2 N.m) 0.020.11 in² (1070 mm²) (AWG 8AWG
	Color	Gray RAL 7016)
Height 5.39 in (137 mm)	9 mm pitches	3
	Height	5.39 in (137 mm)

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	A	
Circuit breaker application	HACR rated	
Environment		
Standards	NMX J-266	
	GB 14048.2	
	CSA C22.2 No 5	
	EN/IEC 60947-2	

Standards	NMX J-266 GB 14048.2 CSA C22.2 No 5 EN/IEC 60947-2 NEMA AB1 UL 489 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 IEC 62262
Pollution degree	3 IEC 60947-1
Ambient Air Temperature for Operation	-13158 °F (-2570 °C)
Ambient Air Temperature for Storage	-58185 °F (-5085 °C)
Operating altitude	< 6561.68 ft (2000 m) without derating 5000 m with derating

Ordering and shipping details

Category	01135-BJA/BKA I-LINE BREAKER
Discount Schedule	DE2
GTIN	785901057116
Returnability	No

Packing Units

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Unit Type of Package 1	PCE	
Number of Units in Package 1	1	
Package 1 Height	5.39 in (13.7 cm)	
Package 1 Width	1.06 in (2.7 cm)	
Package 1 Length	3.50 in (8.9 cm)	
Package 1 Weight	17.60 oz (498.952 g)	

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