

# BJL36080LU

Circuit breaker, PowerPacT B, 80A, 3 pole, 600Y/347VAC, 25kA, lugs, thermal magnetic, 80%, control wire ON end



## Main

Range	PowerPact
Product name	PowerPact B
Device short name	BJ 080
Product or Component Type	Circuit breaker
Device Application	Distribution

## Complementary

Line Rated Current	80 A
Number of Poles	3P
Protected poles description	3t
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 65 KA 480/277 V AC 50/60 Hz UL 489 65 KA 480 V AC 50/60 Hz UL 489 25 KA 600Y/347 V AC 50/60 Hz UL 489 50 kA 250 V DC UL 489
[Ue] rated operational voltage	690 V AC 50/60 Hz UL 489
Network Frequency	50/60 Hz
[Ics] rated service breaking capacity	100 KA 220...240 V AC 50/60 Hz IEC 60947-2 25 KA 500...525 V AC 50/60 Hz IEC 60947-2 10 KA 690 V AC 50/60 Hz IEC 60947-2 65 KA 380...415 V AC 50/60 Hz IEC 60947-2 65 kA 440 V AC 50/60 Hz IEC 60947-2
[Uimp] rated impulse withstand voltage	8 kV IEC 60947-2
Trip unit technology	Thermal-magneticTM-D,
Continuous current rating	80 %
[Ui] rated insulation voltage	800 V IEC 60947-2
Trip unit name	TM-D
Suitability for isolation	Yes IEC 60947-2
Utilisation category	Category A
Mechanical durability	15000 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 6...AWG 2/0 fine stranded aluminium/copper AWG 14...AWG 3/0 rigid or stranded aluminium/copper
Local signalling	Presence of auxiliary contacts flag green)
Mounting mode	Clip-on 35 mm symmetrical DIN rail) By screws plate)
Electrical connection	Everlink lug, line Everlink lug, load

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Tightening torque	44.3 Lbf.in (5 N.m) 0.004...0.02 in <sup>2</sup> (2.5...16 mm <sup>2</sup> ) (AWG 14...AWG 4) 79.7 lbf.in (9 N.m) 0.04...0.1 in <sup>2</sup> (25...95 mm <sup>2</sup> ) (AWG 3...AWG 3/0)
Number of slots	1 auxiliary switch OF plug-in 1 voltage release MN or MX plug-in 1 alarm switch SD plug-in
Power 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	3.1 in (80 mm)
Net Weight	2.368 lb(US) (1.074 kg)
Quantity per Set	Set of 1
Circuit breaker application	HACR rated

## Environment

Quality labels	CE
Standards	NMX J-266 EN/IEC 60947-2 NEMA AB1 GB 14048.2 EN/IEC 60947-5-1 CSA C22.2 No 5 UL 489
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	US10DE201132
Discount Schedule	ODE2
GTIN	03606481149756
Returnability	No
Country of origin	MX

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	3.5 in (8.9 cm)
Package 1 Width	7.09 in (18 cm)
Package 1 Length	10.2 in (26 cm)
Package 1 Weight	2.9 lb(US) (1.3 kg)

## Offer Sustainability

Sustainable offer status	Green Premium product
California proposition 65	WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov
EU RoHS Directive	Compliant <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
China RoHS Regulation	<a href="#">China RoHS Declaration</a>
RoHS exemption information	<a href="#">Yes</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>

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