

# BDL46100LU

Circuit breaker, PowerPacT B, 100A, 4 pole, 600Y/347VAC, 14kA, lugs, thermal magnetic, 80%, control wire ON end



## 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	4P
Protected poles description	4t
Control Type	Toggle
Breaking capacity code	D
Breaking capacity	25 KA 208Y/120 V AC 50/60 Hz UL 489 18 KA 240 V AC 50/60 Hz UL 489 Icu 25 KA 480/277 V AC 50/60 Hz UL 489 Icu 14 kA 480 V AC 50/60 Hz UL 489 18 KA 600Y/347 V AC 50/60 Hz UL 489 14 KA 250 V DC UL 489 25 KA Icu 18 kA
[Ue] rated operational voltage	525 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 14 KA 500...525 V AC 50/60 Hz IEC 60947-2 18 KA 380...415 V AC 50/60 Hz IEC 60947-2 18 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

Tightening torque	44.25 Lbf.In (5 N.m) 0.00...0.02 in <sup>2</sup> (2.5...16 mm <sup>2</sup> ) (AWG 14...AWG 4) 79.66 lbf.in (9 N.m) 0.04...0.15 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	0.79 in (20 mm)
Color	Gray RAL 7016)
9 mm pitches	12
Height	5.39 in (137 mm)
Width	4.25 in (108 mm)
Depth	3.15 in (80 mm)
Net Weight	3.18 lb(US) (1.441 kg)
Quantity per Set	Set of 1
Circuit breaker application	HACR rated

## Environment

Quality labels	CE
Standards	EN/IEC 60947-2 UL 489 EN/IEC 60947-5-1 CSA C22.2 No 5 NEMA AB1 GB 14048.2 NMX J-266
Product certifications	UL IEC CCC EAC CSA 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	01130-BD UNIT MOUNT BREAKER/SWITCH
Discount Schedule	DE2
GTIN	3606481150073
Returnability	No
Country of origin	MX

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	4.50 in (11.43 cm)
Package 1 Width	5.00 in (12.7 cm)
Package 1 Length	8.00 in (20.32 cm)
Package 1 Weight	4.00 lb(US) (1.814 kg)

## Offer Sustainability

Sustainable offer status	Green Premium product
California proposition 65	WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov
REACH Regulation	 <a href="#">REACH Declaration</a>
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