

# BDF16020

Circuit breaker, PowerPacT B, 20A, 1 pole, 600Y/347VAC, 14kA, terminal nut, thermal magnetic, 80%



## Main

Range	PowerPact
Product name	PowerPact B
Device short name	BD 020
Product or Component Type	Circuit breaker
Device Application	Distribution

## Complementary

Line Rated Current	20 A
Number of Poles	1P
Protected poles description	1t
Control type	Toggle
Breaking capacity code	D
Breaking capacity	25 KA 208Y/120 V AC 50/60 Hz UL 489 25 KA 240 V AC 50/60 Hz UL 489 18 KA 480Y/277 V AC 50/60 Hz UL 489 14 KA 125 V DC 50/60 Hz UL 489 10 kA 600/347 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	25 kA 220...240 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 F ed 5.2
Electrical durability	10000 cycles IEC 947-1 Annex K ed 5.2 In
Connection pitch	1.06 in (27 mm)
AWG gauge	AWG 14...AWG 8 aluminium/copper AWG 6...AWG 3/0 aluminium/copper
Mounting mode	Clip-on 35 mm symmetrical DIN rail) By screws plate)
Electrical connection	Terminal nut, ON and OFF end
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)
Power wire stripping length	0.79 in (20 mm)
Color	Gray RAL 7016)
9 mm pitches	3
Height	5.39 in (137 mm)
Width	1.06 in (27 mm)

Depth	3.15 in (80 mm)
Net Weight	1.01 lb(US) (0.46 kg)
Quantity per Set	Set of 1
Circuit breaker application	HACR rated

## Environment

Quality labels	CE
Standards	NEMA AB1 NMX J-266 EN/IEC 60947-2 UL 489 EN/IEC 60947-5-1 CSA C22.2 No 5 GB 14048.2
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	-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	3606481148612
Returnability	Yes
Country of origin	MX

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	1.40 in (3.556 cm)
Package 1 Width	4.70 in (11.938 cm)
Package 1 Length	7.50 in (19.05 cm)
Package 1 Weight	16.00 oz (453.592 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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>
REACH Regulation	<a href="#">REACH Declaration</a>
EU RoHS Directive	Compliant with Exemptions
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>
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