Product data sheet
Characteristics

BGF16020
Circuit breaker, PowerPact B, 20A, 1 pole, 600Y/347V AC, 18kA at 600Y/347 UL, terminal nuts

Product availability : Non-Stock - Not normally stocked in distribution facility

Green Premium™

Price** : 477.00 USD



Main

Range	PowerPact
Product name	PowerPact B
Device short name	BG 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	G
Breaking capacity	65 kA 208Y/120 V AC 50/60 Hz UL 489 65 kA 240 V AC 50/60 Hz UL 489 35 kA 480Y/277 V AC 50/60 Hz UL 489 18 kA 600Y/347 V AC 50/60 Hz UL 489 20 kA 125 V DC UL 489
[Ue] rated operational voltage	240 V AC 50/60 Hz UL 489
[Ics] rated service breaking capacity	65 kA 220...240 V AC 50/60 Hz IEC 60947-2
[Uimp] rated impulse withstand voltage	8 kV IEC 60947-2
[Ui] rated insulation voltage	800 V IEC 60947-2
Trip unit technology	Thermal-magnetic
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

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Electrical durability	10000 cycles IEC 947-1 Annex K ed 5.2 In
Connection pitch	1.06 in (27 mm)
Mounting mode	Clip-on 35 mm symmetrical DIN rail) By screws plate)
Electrical connection	Terminal nut ON and OFF end
AWG gauge	AWG 14...AWG 8 aluminium/copper AWG 6...AWG 3/0 aluminium/copper
Tightening torque	44.25 lbf.in (5 N.m) 0.00…0.02 in² (2.5…16 mm²) AWG 14...AWG 4) 79.66 lbf.in (9 N.m) 0.04…0.15 in² (25…95 mm²) AWG 3...AWG 3/0)
Power wire stripping length	0.79 in (20 mm)
Color	Gray RAL 7016)
9 mm pitches	3
Maximum Height	5.39 in (137 mm)
Maximum Width	1.06 in (27 mm)
Maximum Depth	3.15 in (80 mm)
Net Weight	1.01 lb(US) (0.46 kg)
Quantity per set	Set of 1
Continuous current rating	80 %

Environment

Quality labels	CE
Standards	NMX J-266 EN/IEC 60947-2 UL 489 NEMA AB1 GB 14048.2 CSA C22.2 No 5 EN/IEC 60947-5-1
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	01131 - BG UNIT MOUNT BREAKER/SWITCH
Discount Schedule	DE2
GTIN	03606481193001
Nbr. of units in pkg.	1
Package weight(Lbs)	1 lb(US) (0.45 kg)
Returnability	Yes
Country of origin	MX

Packing Units

Package 1 Height	1.40 in (3.556 cm)
Package 1 width	4.70 in (11.938 cm)
Package 1 Length	7.50 in (19.050 cm)

Offer Sustainability

Sustainable offer status	Green Premium product
EU RoHS Directive	Compliant EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS declaration Product out of China RoHS scope. Substance declaration for your information.
Environmental Disclosure	Product Environmental Profile
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