



Main

Range	PowerPact
Product name	PowerPact B
Device short name	BG 020
Product or component type	Circuit breaker
Device application	Distribution

Complementary

[In] rated current	20 A
Poles description	1P
Protected poles description	1t
Control type	Toggle
Mounting mode	By screws for plate Clip-on for 35 mm symmetrical DIN rail
Network type	AC
Network frequency	50/60 Hz
Breaking capacity code	G
Breaking capacity	65 kA at 240 V AC 50/60 Hz according to UL 489 Icu : 65 kA at 220...240 V AC 50/60 Hz according to IEC 60947-2 35 kA at 480Y/277 V AC 50/60 Hz according to UL 489 18 kA at 600Y/347 V AC 50/60 Hz according to UL 489 65 kA at 208Y/120 V AC 50/60 Hz according to UL 489
[Ue] rated operational voltage	240 V AC 50/60 Hz according to IEC 60947-2
[Ics] rated service breaking capacity	65 kA : at 220...240 V AC 50/60 Hz according to IEC 60947-2
[Uimp] rated impulse withstand voltage	8 kV according to IEC 60947-2
[Ui] rated insulation voltage	800 V according to IEC 60947-2
Trip unit technology	Thermal-magnetic
Trip unit name	TM-D
Trip unit protection functions	LI
Protection type	Overload protection (thermal)

	Short-circuit protection (magnetic)
Trip unit rating	20 A at 40 °C
Magnetic hold current	400 A
Magnetic tripping current	600 A
Suitability for isolation	Yes according to IEC 60947-2
Utilisation category	Category A
Mechanical durability	15000 cycles according to IEC 947-1 Annex F ed 5.2
Electrical durability	10000 cycles according to IEC 947-1 Annex K ed 5.2 for In at 240 V
Connection pitch	27 mm
Rotary handle padlocking	Padlock in OFF or ON position
Connections - terminals	Upside compression lug/busbar Downside compression lug/busbar
Thread type	M6
Thickness	Up to 6.5 mm
Tightening torque	5 N.m for 2.5...16 mm ² (AWG 14...AWG 4) 9 N.m for 25...95 mm ² (AWG 3...AWG 3/0)
Wire stripping length	20 mm
Quality labels	CE
Standards	CSA C22.2 No 5 NEMA AB1 NMX J-266 EN/IEC 60947-5-1 UL 489 GB 14048.2 EN/IEC 60947-2
Colour	Grey (RAL 7016)
9 mm pitches	3
Height	137 mm
Width	27 mm
Depth	80 mm
Product weight	0.46 kg
Quantity per set	Set of 1

Environment

Product certifications	UL CSA CCC EAC NOM IEC
IP degree of protection	IP40 (front cover) according to IEC 60529
IK degree of protection	IK07 according to IEC 62262
Pollution degree	3 according to IEC 60947-1
Ambient air temperature for operation	-25...70 °C
Ambient air temperature for storage	-50...85 °C
Operating altitude	5000 m with derating 2000 m without derating

Offer Sustainability

Sustainable offer status	Not Green Premium product
RoHS (date code: YYWW)	Compliant - since 1644 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold Reference not containing SVHC above the threshold