



## Main

Range	PowerPact
Product name	PowerPact B
Device short name	BD 030
Product or component type	Circuit breaker
Device application	Distribution

## Complementary

[In] rated current	30 A
Number of Poles	1P
Protected poles description	1t
Control type	Toggle
Breaking capacity code	D
Breaking capacity	25 KA at 208Y/120 V AC 50/60 Hz conforming to UL 489 25 KA at 240 V AC 50/60 Hz conforming to UL 489 18 KA at 480Y/277 V AC 50/60 Hz conforming to UL 489 10 KA at 125 V DC 50/60 Hz conforming to UL 489 14 KA at 600/347 V AC 50/60 Hz conforming to UL 489
[Ue] rated operational voltage	240 V AC 50/60 Hz conforming to UL 489
Network frequency	50/60 Hz
[Ics] rated service breaking capacity	25 kA at 220...240 V AC 50/60 Hz conforming to IEC 60947-2
[Uimp] rated impulse withstand voltage	8 kV conforming to IEC 60947-2
Trip unit technology	Thermal-magneticTM-D,
Continuous current rating	80 %
[Ui] rated insulation voltage	800 V conforming to IEC 60947-2
Trip unit name	TM-D
Suitability for isolation	Yes conforming to IEC 60947-2
Utilisation category	Category A
Mechanical durability	15000 cycles conforming to IEC 947-1 Annex F ed 5.2
Electrical durability	10000 cycles conforming to IEC 947-1 Annex K ed 5.2 In
Connection pitch	27 mm
AWG gauge	AWG 6...AWG 2/0 fine stranded aluminium/copper AWG 14...AWG 3/0 rigid or stranded aluminium/copper
Mounting mode	Clip-on (35 mm symmetrical DIN rail) By screws (plate)
Electrical connection	Everlink lug, line Everlink lug, load
Tightening torque	5 N.M for 2.5...16 mm <sup>2</sup> (AWG 14...AWG 4) 9 N.m for 25...95 mm <sup>2</sup> (AWG 3...AWG 3/0)
Power wire stripping length	20 mm
Color	Grey (RAL 7016)
9 mm pitches	3

Height	137 mm
Width	27 mm
Depth	80 mm
Net weight	0.51 kg
Quantity per set	Set of 1
Circuit breaker application	HACR rated

## Environment

Quality labels	CE
Standards	CSA C22.2 No 5 EN/IEC 60947-2 GB 14048.2 UL 489 EN/IEC 60947-5-1 NEMA AB1 NMJ J-266
Product certifications	UL[RETURN]IEC[RETURN]CCC[RETURN]EAC[RETURN]CSA[RETURN]NOM
IP degree of protection	Front cover: IP40 conforming to IEC 60529
IK degree of protection	IK07 conforming to IEC 62262
Pollution degree	3 conforming to IEC 60947-1
Ambient air temperature for operation	-25...70 °C
Ambient air temperature for storage	-50...85 °C
Operating altitude	2000 m without derating 5000 m with derating

## Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	 <a href="#">REACH Declaration</a>
EU RoHS Directive	Compliant with Exemptions
Mercury free	Yes
RoHS exemption information	 <a href="#">Yes</a>
China RoHS Regulation	 <a href="#">China RoHS Declaration</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