



Main

Range	PowerPact
Product name	PowerPact B
Device short name	BD 080
Product or Component Type	Circuit breaker
Device Application	Distribution

Complementary

Line Rated Current	80 A
Poles description	3P
Protected poles description	3t
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-magnetic TM -D,
Continuous current rating	80 %
[Ui] rated insulation voltage	800 V 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 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 ² (2.5...16 mm ²) (AWG 14...AWG 4) 79.66 Lbf.In (9 N.m) 0.04...0.15 in ² (25...95 mm ²) (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)
Wire stripping length	0.79 In (20 mm)
Color	Grey (RAL 7016)
9 mm pitches	9
Maximum Height	5.39 In (137 mm)
Maximum Width	3.19 In (81 mm)
Maximum Depth	3.15 In (80 mm)
Net Weight	2.37 Lb(US) (1.074 kg)
Quantity per Set	Set of 1

Environment

Quality labels	CE
Standards	UL 489 CSA C22.2 No 5 GB 14048.2 EN/IEC 60947-2 EN/IEC 60947-5-1 NMX J-266 NEMA AB1
Product certifications	UL IEC CCC EAC CSA NOM
IP degree of protection	Front cover IP40 IEC 60529
IK degree of protection	IK07 conforming to 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	03606481149152
Nbr. of units in pkg.	1
Package weight(Lbs)	2.60 Lb(US) (1.179 kg)
Returnability	No
Country of origin	US

Packing Units

Unit Type of Package 1	PCE
Package 1 Height	4.70 In (11.938 cm)
Package 1 width	3.30 In (8.382 cm)
Package 1 Length	8.10 In (20.574 cm)

Offer Sustainability

Sustainable offer status	Green Premium product
California proposition 65	WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov
REACH Regulation	REACH Declaration
EU RoHS Directive	Compliant EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS Declaration
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

Product Life Status : **Commercialised**