



Product availability: Stock - Normally stocked in distribution facility



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	3P
Protected poles description	3t
Control type	Toggle
Breaking capacity code	D
Breaking capacity	25 KA 240 V AC 50/60 Hz UL 489 Icu 25 kA 220...240 V AC 50/60 Hz IEC 60947-2 25 KA 208Y/120 V AC 50/60 Hz UL 489 18 KA 480 V AC 50/60 Hz UL 489 Icu 14 kA 500...525 V AC 50/60 Hz IEC 60947-2 18 kA 480Y/277 V AC 50/60 Hz UL 489
[Ue] rated operational voltage	500/525 V AC 50/60 Hz IEC 60947-2 600Y/347 V AC 50/60 Hz UL 489
[Ics] rated service breaking capacity	14 KA 220...240 V AC 50/60 Hz IEC 60947-2 18 KA 500...525 V AC 50/60 Hz IEC 60947-2 25 KA 380...415 V AC 50/60 Hz IEC 60947-2 14 kA 440 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	20000 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)
Local signalling	Presence of auxiliary contacts flag green)
Mounting mode	Clip-on 35 x 15 mm symmetrical DIN rail) By screws plate)
Electrical connection	Everlink lug line Everlink lug load
AWG gauge	AWG 6...AWG 2/0 fine stranded aluminium/copper AWG 14...AWG 3/0 rigid or stranded aluminium/copper
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)

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Power wire stripping length	0.79 in (20 mm)
Color	Grey RAL 7016)
9 mm pitches	9
Height	5.39 in (137 mm)
Width	3.19 in (81 mm)
Depth	3.15 in (80 mm)
Product weight	2.37 lb(US) (1.074 kg)
Quantity per set	Set of 1
Continuous current rating	80 %

Environment

Quality labels	CE
Standards	EN/IEC 60947-5-1 NEMA AB1 NMX J-266 CSA C22.2 No 5 UL 489 GB 14048.2 EN/IEC 60947-2
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	01130 - BD UNIT MOUNT BREAKER/SWITCH
Discount Schedule	DE2
GTIN	03606481152978
Package weight(Lbs)	1.32 kg (2.92 lb(US))
Returnability	Yes
Country of origin	MX

Offer Sustainability

Sustainable offer status	Green Premium product
California proposition 65	WARNING: This product can expose you to chemicals including: DIDP and DINP which is known to the State of California to cause Carcinogen and Reproductive harm. For more information go to 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
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.