Product data sheet
Characteristics

BDM16070
PowerPact B Circuit Breaker, 70A, 1P, 347V AC, 14kA at 600Y/347 UL EverLink

Green Premium™

Price** : 418.00 USD



Main

Range	PowerPact
Product name	PowerPact B
Device short name	BD 070
Product or component type	Circuit breaker
Device application	Distribution

Complementary

Line Rated Current	70 A
Number of Poles	1P
Control type	Toggle
Breaking capacity code	D
Breaking capacity	25 kA 208Y/120 V AC 50/60 Hz UL 489 25 kA 240 V AC 50/60 Hz UL 489 18 kA 480Y/277 V AC 50/60 Hz UL 489 10 kA 125 V DC 50/60 Hz UL 489 14 kA 600/347 V AC 50/60 Hz UL 489
[Ue] rated operational voltage	240 V AC 50/60 Hz UL 489
[Ics] rated service breaking capacity	25 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
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)

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

	By screws plate)
Electrical connection	Everlink lug line Terminal nut 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 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	1.12 lb(US) (0.51 kg)
Quantity per set	Set of 1
Continuous current rating	80 %

Environment

Quality labels	CE
Standards	UL 489 CSA C22.2 No 5 EN/IEC 60947-5-1 GB 14048.2 NEMA AB1 NMX J-266 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
Package weight(Lbs)	21.92 oz (621.422 g)
Returnability	Yes

Offer Sustainability

Sustainable offer status	Green Premium product
REACh Regulation	REACh Declaration
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