

Product availability : Stock - Normally stocked in distribution facility



Price* : 1,012.00 USD



Main

Range	PowerPact
Product name	PowerPact B
Device short name	BD 050
Product or component type	Circuit breaker
Device application	Distribution

Complementary

Line Rated Current	50 A
Number of Poles	3P
Protected poles description	3t
Control type	Toggle
Breaking capacity code	D
Breaking capacity	25 kA at 240 V AC 50/60 Hz according to UL 489 14 kA at 600 V AC 50/60 Hz according to UL 489 18 kA at 600Y/347 V AC 50/60 Hz according to UL 489 20 kA at 250 V DC 50/60 Hz according to UL 489 Icu : 25 kA at 480/277 V AC 50/60 Hz according to IEC 60947-2 25 kA at 480 V AC 50/60 Hz according to UL 489 18 kA at 125 V DC 50/60 Hz according to UL 489 18 kA at 250 V DC 50/60 Hz according to UL 489
System Voltage	240 V AC 50/60 Hz according to IEC 60947-2 347 V AC 50/60 Hz according to UL 489 125 V DC 50/60 Hz according to UL 489 250 V DC 50/60 Hz according to UL 489
[Ics] rated service breaking capacity	25 kA: at 220...240 V AC 50/60 Hz according to IEC 60947-2 18 kA: at 380...415 V AC 50/60 Hz according to IEC 60947-2 18 kA: at 440 V AC 50/60 Hz according to IEC 60947-2 14 kA: at 500...525 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
Suitability for isolation	Yes according to IEC 60947-2
Utilisation category	Category A
Mechanical durability	20000 cycles according to IEC 947-1 Annex K ed 5.2
Electrical durability	10000 cycles according to IEC 947-1 Annex K ed 5.2 In at 440 V
Connection pitch	1.06 in (27 mm)
Local signalling	Green flag presence of auxiliary contacts
Mounting mode	I-Line
Electrical connection	I-Line connection at line Lugs at load
AWG gauge	AWG 14...AWG 2/0 (aluminium/copper)
Mounting height	4.49 in (114 mm)
Tightening torque	3.6...4.4 N.m 0...0.01 in ² (2.5...6 mm ²) (AWG 14...AWG 10) 5...6.2 N.m 0.02...0.11 in ² (10...70 mm ²) (AWG 8...AWG 2/0)
Number of slots	1 auxiliary switch OF (plug-in) 1 voltage release MN or MX (plug-in) 1 alarm switch SD (plug-in)
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	3.5 in (89 mm)
Product weight	2.9 lb(US) (1.315 kg)
Quantity per set	Set of 1
Phase connection	ABC
Continuous current rating	80 %

Environment

Quality labels	CE
Standards	EN/IEC 60947-2 EN/IEC 60947-5-1 GB 14048.2 NEMA AB1 UL 489 CSA C22.2 No 5 NMX J-266
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	-13...158 °F (-25...70 °C)
Ambient air temperature for storage	-58...185 °F (-50...85 °C)
Operating altitude	With derating Without derating

Ordering and shipping details

Category	01133 - BDA I-LINE BREAKER
Discount Schedule	DE2
GTIN	003606481152626
Nbr. of units in pkg.	1

Package weight(Lbs)	3.8300000000000001
Returnability	Y
Country of origin	MX

Offer Sustainability

Sustainable offer status	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
Product environmental profile	Available
Product end of life instructions	Need no specific recycling operations
California proposition 65	WARNING: This product can expose you to chemicals including:
----- Substance 1	DINP, which is known to the State of California to cause cancer, and
----- Substance 2	DIDP, which is known to the State of California to cause Birth Defects or other reproductive harm.
----- More information	For more information go to www.p65warnings.ca.gov