Product data sheet
Characteristics

BGA24020Y1
PowerPact - circuit breaker - 20A 2P AC 35kA at 480/440 (UL) - I-Line

Product availability : Non-Stock - Not normally stocked in distribution facility

Price* : 964.00 USD

Main

Range	PowerPact
Product name	PowerPact B
Device short name	BG 020
Product or component type	Circuit breaker
Device application	Distribution

Complementary

Line Rated Current	20 A
Poles description	2P
Protected poles description	2t
Control type	Toggle
Breaking capacity code	G
Breaking capacity	65 kA at 240 V AC 50/60 Hz according to UL 489 35 kA at 480 V AC 50/60 Hz according to UL 489 Icu: 65 kA at 220...240 V AC 50/60 Hz according to IEC 60947-2 Icu: 35 kA at 380...415 V AC 50/60 Hz according to IEC 60947-2 Icu: 35 kA at 440 V AC 50/60 Hz according to IEC 60947-2 35 kA at 480Y/277 V AC 50/60 Hz according to UL 489 65 kA at 208Y/120 V AC 50/60 Hz according to UL 489
System Voltage	380...415 V AC 50/60 Hz according to IEC 60947-2 480Y/277 V AC 50/60 Hz according to UL 489
[Ics] rated service breaking capacity	65 kA: at 220...240 V AC 50/60 Hz according to IEC 60947-2 35 kA: at 380...415 V AC 50/60 Hz according to IEC 60947-2 35 kA: at 440 V AC 50/60 Hz according to IEC 60947-2 18 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

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

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	3 in (76.2 mm)
Tightening torque	3.6...4.4 N.m 0...0.01 in² (2.5...6 mm²) (AWG 14...AWG 10) 5...6.2 N.m 0.02...0.11 in² (10...70 mm²) (AWG 8...AWG 2/0)
Number of slots	1 auxiliary switch OF (plug-in) 1 voltage release MN or MX (plug-in)
Wire stripping length	0.79 in (20 mm)
Colour	Grey (RAL 7016)
9 mm pitches	6
Height	5.39 in (137 mm)
Width	2.13 in (54 mm)
Depth	3.5 in (89 mm)
Product weight	2.1 lb(US) (0.952 kg)
Quantity per set	Set of 1
Phase connection	AB
Continuous current rating	80 %

Environment

Quality labels	CE
Standards	EN/IEC 60947-5-1 GB 14048.2 UL 489 EN/IEC 60947-2 NMX J-266 CSA C22.2 No 5 NEMA AB1
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	5000 m with derating 6561.68 ft (2000 m) without derating

Ordering and shipping details

Category	01134 - BGA I-LINE BREAKER
Discount Schedule	DE2
Nbr. of units in pkg.	1
Package weight(Lbs)	2.8999999999999999
Returnability	Y