

Product data sheet

Specifications



Circuit breaker, PowerPacT B, 25A, 1 pole, 600Y/347VAC, 65kA, I-Line, thermal magnetic, 80%, A

BKA160251

Main

Range	PowerPact
Product name	PowerPact B
Device short name	BK 025
Product or component type	Circuit breaker
Device application	Distribution

Complementary

[In] rated current	25 A
Number of Poles	1P
Control type	Toggle
Breaking capacity code	K
Breaking capacity	100 kA 208Y/120 V AC 50/60 Hz UL 489 100 kA 240 V AC 50/60 Hz UL 489 65 kA 480Y/277 V AC 50/60 Hz UL 489 65 kA 600Y/347 V AC 50/60 Hz UL 489
Network frequency	50/60 Hz
[Uimp] rated impulse withstand voltage	8 kV IEC 60947-2
Trip unit technology	Thermal-magnetic
Continuous current rating	80 %
[Ui] rated insulation voltage	800 V IEC 60947-2
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)
AWG gauge	AWG 14...AWG 2/0 aluminum/copper
Local signalling	Presence of auxiliary contacts flag green)
Mounting mode	I-Line
Electrical connection	I-Line connection, line Lugs, load
Mounting height	1.5 in (38.1 mm)
Tightening torque	31.9...38.9 lbf.in (3.6...4.4 N.m) 0.004...0.009 in² (2.5...6 mm²) AWG 14...AWG 10) 44.3...54.9 lbf.in (5...6.2 N.m) 0.02...0.1 in² (10...70 mm²) AWG 8...AWG 2/0)
Color	Grey RAL 7016)

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

9 mm pitches	3
Height	5.4 in (137 mm)
Width	1.06 in (27 mm)
Depth	3.5 in (89 mm)
Net weight	1.4054 lb(US) (0.6375 kg)
Quantity per set	Set of 1
Phase connection	A
Circuit breaker application	HACR rated

Environment

Standards	GB 14048.2 CSA C22.2 No 5 UL 489 NEMA AB1 NMX J-266 EN/IEC 60947-5-1 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 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	< 2000 m without derating 5000 m with derating

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	5.4 in (13.7 cm)
Package 1 Width	1.06 in (2.7 cm)
Package 1 Length	3.5 in (8.9 cm)
Package 1 Weight	25.760 oz (730.284 g)

Contractual warranty

Warranty (in months)	18
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Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

 Environmental footprint	
Total lifecycle Carbon footprint	193 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	7 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0.4 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	182 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	2 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile

Use Better

 Materials and Substances	
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	No
SCIP Number	42816a74-6c29-4456-9183-8c3fa59a5a4c
EU RoHS Directive	Compliant By Exemption
REACH Regulation	Reference contains Substances of Very High Concern above the threshold
Halogen content performance	Halogen free product
PVC free	Yes

Use Longer

 Lifetime extension	
Repair	No

Use Again

 Repack and remanufacture	
Recyclability potential, in %	55
Circularity Profile	No need of specific recycling operations
Removable battery	No
Take-back	Nej

Technical Illustration

Dimensions

