

Circuit breaker, PowerPacT B, 30A, 4 pole, 600Y/347VAC, 25kA, terminal nut, thermal magnetic, 80%

BJF46030

### Main

Range	PowerPact
Product name	PowerPact B
Device short name	BJ 030
Product or component type	Circuit breaker
Device application	Distribution

## Complementary

Complementary		
[In] rated current	30 A	
Number of Poles	4P	
Protected poles description	4t	
Control type	Toggle	
Breaking capacity code	J	
Breaking capacity	100 kA at 208Y/120 V AC 50/60 Hz conforming to UL 489 100 kA at 240 V AC 50/60 Hz conforming to UL 489 65 kA at 480/277 V AC 50/60 Hz conforming to UL 489 65 kA at 480 V AC 50/60 Hz conforming to UL 489 25 kA at 600Y/347 V AC 50/60 Hz conforming to UL 489 50 kA at 250 V DC conforming to UL 489	
[Ue] rated operational voltage	690 V AC 50/60 Hz conforming to UL 489	
Network frequency	50/60 Hz	
[Ics] rated service breaking capacity	100 kA at 220240 V AC 50/60 Hz conforming to IEC 60947-2 25 kA at 500525 V AC 50/60 Hz conforming to IEC 60947-2 2.5 kA at 690 V AC 50/60 Hz conforming to IEC 60947-2 65 kA at 380415 V AC 50/60 Hz conforming to IEC 60947-2 65 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2	
[Uimp] rated impulse withstand voltage	8 kV conforming to IEC 60947-2	
Trip unit technology	Thermal-magneticTM-D,	
Continuous current rating	80 %	
[Ui] rated insulation voltage	800 V conforming to IEC 60947-2	
Trip unit name	TM-D	
Suitability for isolation	Yes conforming to IEC 60947-2	
Utilisation category	Category A	
Mechanical durability	15000 cycles conforming to IEC 947-1 Annex K ed 5.2	
Electrical durability	10000 cycles conforming to IEC 947-1 Annex K ed 5.2 at 440 V In	
Connection pitch	27 mm	

AWG gauge	AWG 14AWG 8 aluminium/copper AWG 6AWG 3/0 aluminium/copper	
Local signalling	Presence of auxiliary contacts: flag (green)	
Mounting mode	Clip-on (35 mm symmetrical DIN rail) By screws (plate)	
Electrical connection	Terminal nut, ON and OFF end	
Tightening torque	5 N.m for 2.516 mm² (AWG 14AWG 4) 9 N.m for 2595 mm² (AWG 3AWG 3/0)	
Number of slots	1 slot(s) for auxiliary switch OF (plug-in) 1 slot(s) for voltage release MN or MX (plug-in) 1 slot(s) for alarm switch SD (plug-in)	
Power wire stripping length	20 mm	
Color	Grey (RAL 7016)	
9 mm pitches	12	
Height	137 mm	
Width	108 mm	
Depth	80 mm	
Product weight	1.241 kg	
Quantity per set	Set of 1	
Circuit breaker application	HACR rated	

# **Environment**

Quality labels	CE
Standards	EN/IEC 60947-2 NEMA AB1 UL 489 EN/IEC 60947-5-1 NMX J-266 GB 14048.2 CSA C22.2 No 5
Product certifications	UL IEC CCC EAC CSA NOM
IP degree of protection	Front cover: IP40 conforming to IEC 60529
IK degree of protection	IK07 conforming to IEC 62262
Pollution degree	3 conforming to IEC 60947-1
Ambient air temperature for operation	-2570 °C
Ambient air temperature for storage	-5085 °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	11.43 cm
Package 1 Width	12.7 cm

Package 1 Length	20.32 cm
Package 1 Weight	1.814 kg



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	151
Environmental Disclosure	Product Environmental Profile

### **Use Better**

Materials and Substances	
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
EU RoHS Directive	Compliant with Exemptions
REACh Regulation	REACh Declaration
California proposition 65	WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov
Halogen-free status	Halogen free product
PVC free	Yes

### **Use Again**

○ Repack and remanufacture	
End of life manual availability	No need of specific recycling operations
Take-back	No
WEEE Label	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins