Product datasheet

Specifications

PowerPact-circuit breaker-100A 4P AC 65kA at 480/440V(UL/IEC)-TMD-EverLink lug

BJL46100LU

EAN Code: 3606481150677

Main

Range	PowerPact
Product Name	PowerPact B
Device Short Name	BJ 100
Product Or Component Type	Circuit breaker
Device Application	Distribution

Complementary

[In] Rated Current	100 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 220...240 V AC 50/60 Hz conforming to IEC 60947-2 25 kA at 500...525 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 380...415 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

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

Awg Gauge	AWG 6...AWG 2/0 fine stranded aluminium/copper AWG 14...AWG 3/0 rigid or stranded aluminium/copper
Local Signalling	Presence of auxiliary contacts: flag (green)
Mounting Mode	Clip-on (35 mm symmetrical DIN rail) By screws (plate)
Electrical Connection	Everlink lug, line Everlink lug, load
Tightening Torque	5 N.m for 2.5…16 mm² (AWG 14...AWG 4) 9 N.m for 25…95 mm² (AWG 3...AWG 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
Net Weight	1.441 kg
Quantity Per Set	Set of 1
Circuit Breaker Application	HACR rated

Environment

Quality Labels	CE
Standards	NMX J-266 EN/IEC 60947-2 CSA C22.2 No 5 UL 489 GB 14048.2 EN/IEC 60947-5-1 NEMA AB1
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	-25…70 °C
Ambient Air Temperature For Storage	-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	11.43 cm
Package 1 Width	12.7 cm

Package 1 Length	20.32 cm
Package 1 Weight	1.814 kg

Contractual warranty

Warranty	18 months

Sustainability

Green Premium™ label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO_2 products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >

Transparency RoHS/REACh

Well-being performance

Mercury Free	
Rohs Exemption Information	Yes
Pvc Free	
Halogen Free Product	

Certifications & Standards

Reach Regulation	REACh Declaration
Eu Rohs Directive	Compliant with Exemptions
China Rohs Regulation	China RoHS declaration Product out of China RoHS scope. Substance declaration for your information
Environmental Disclosure	Product Environmental Profile
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
Circularity Profile	No need of specific recycling operations