

Product data sheet

Specifications

SQUARE D



Circuit breaker, PowerPacT J, 150A, 3 pole, 600VAC, 25kA, lugs OFF end, thermal magnetic, 80%, aux, alarm

JJP36150AABC

⚠ To be discontinued

⚠ Discontinued on: Apr 30, 2024

Main

Product or component type	Circuit breaker
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Complementary

[In] rated current	150 A
Number of Poles	3P
Control type	Toggle
Breaking capacity code	J
Breaking capacity	100 kA 240 V AC 50/60 Hz UL 489 65 kA 480 V AC 50/60 Hz UL 489 25 kA 600 V AC 50/60 Hz UL 489 20 kA 250 V DC UL 489
[Ue] rated operational voltage	600 V AC 50/60 Hz IEC 60947-3
Network frequency	50/60 Hz
[Ics] rated service breaking capacity	65 kA 220/240 V AC 50/60 Hz IEC 60947-2 35 kA 380/440/415 V AC 50/60 Hz IEC 60947-2 18 kA 500/525 V AC 50/60 Hz IEC 60947-2 20 kA 250 V DC IEC 60947-2 20 kA 500 V DC IEC 60947-2
[Uimp] rated impulse withstand voltage	8 kV IEC 60947-2
Trip unit technology	Thermal-magnetic
Magnetic tripping current	1750 A
Magnetic hold current	750 A
Continuous current rating	80 %
[Ui] rated insulation voltage	750 V IEC 60947-2
Protection type	Overload protection Short-circuit protection
Accessory / separate part type	Auxiliary switch 24 V AC/DC 1 NO + 1 NC cover frame Alarm switch 24 V AC/DC 1 NO + 1 NC cover frame
Suitability for isolation	Yes IEC 60947-2
Utilisation category	Category A
AWG gauge	AWG 4...AWG 4/0 aluminum/copper terminal
Local signalling	Switched off (OFF) 1 trip indicator green)
Mounting mode	Unit mount lug)
Mounting support	Lug

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

Electrical connection	Terminal nut, line Lugs, load
Terminal identifier	AL175JD
Long time pick-up adjustment range	0.25...1 x In
Tightening torque	221.3 lbf.in (25 N.m) 0.04...0.1 in² (25...95 mm²) AWG 4...AWG 4/0
Number of slots	2 auxiliary switch OF plug-in 1 alarm switch SD plug-in 1 overcurrent trip switch SDE plug-in 1 voltage release MN or MX plug-in
Power wire stripping length	1.0 in (25 mm)
Height	7.5 in (191 mm)
Width	4.09 in (104 mm)
Depth	3.4 in (86 mm)
Net weight	5.3 lb(US) (2.4 kg)
Communication interface	Modbus
Circuit breaker application	HACR rated

Environment

Quality labels	CE
Standards	UL CSA NEMA NOM-003-SCFI-2000 IEC 60947-2
Product certifications	UL CSA NOM
IP degree of protection	Front cover IP40
Pollution degree	3
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	5.125 in (13.018 cm)
Package 1 Width	7.250 in (18.415 cm)
Package 1 Length	8.438 in (21.433 cm)
Package 1 Weight	5.00009 lb(US) (2.268 kg)

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	397 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	13 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.7 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	380 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	4 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	9e801cfe-7ff5-4253-9b99-3a0a35e3dbfa
EU RoHS Directive	Compliant By Exemption
REACH Regulation	Reference contains Substances of Very High Concern above the threshold
PVC free	Yes

Use Longer



Lifetime extension

Repair	No
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Use Again



Repack and remanufacture

Recyclability potential, in %	51
Circularity Profile	End of Life Information
Take-back	No

Technical Illustration

Dimensions

