

## Product data sheet

### Characteristics

# JGA36150

Circuit breaker, PowerPacT J, 150A, 3 pole,  
600VAC, 18kA, I-Line, thermal magnetic, 80%,  
ABC



### Main

Range	PowerPact
Product name	PowerPact J
Product or component type	Circuit breaker
Device application	Distribution

### Complementary

[In] rated current	150 A
Number of Poles	3P
Control type	Toggle
Breaking capacity code	G
Breaking capacity	65 KA at 240 V AC 50/60 Hz conforming to UL 489 35 KA at 480 V AC 50/60 Hz conforming to UL 489 18 KA at 600 V AC 50/60 Hz conforming to UL 489 20 KA at 250 V DC conforming to UL 489 20 KA at 500 V DC conforming to UL 489
[Ue] rated operational voltage	600 V AC 50/60 Hz conforming to IEC 60947-3
Network frequency	50/60 Hz
[Ics] rated service breaking capacity	65 KA at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 35 KA at 380/440/415 V AC 50/60 Hz conforming to IEC 60947-2 18 KA at 500/525 V AC 50/60 Hz conforming to IEC 60947-2 20 KA at 250 V DC conforming to IEC 60947-2 20 KA at 500 V DC conforming to IEC 60947-2
[Uimp] rated impulse withstand voltage	8 kV conforming to 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 conforming to IEC 60947-2
Protection type	Overload protection Short-circuit protection
Suitability for isolation	Yes conforming to IEC 60947-2
Utilisation category	Category A
AWG gauge	AWG 4...AWG 4/0 aluminium/copper terminal
Local signalling	Switched off (OFF): 1 trip indicator (green)
Mounting mode	I-Line (bracket)
Mounting support	Bracket
Electrical connection	I-Line connection, line Lugs, load

Terminal identifier	AL175JD
Long time pick-up adjustment range	0.25...1 x I <sub>n</sub>
Mounting height	114.30 mm
Tightening torque	25 N.m for 25...95 mm <sup>2</sup> (AWG 4...AWG 4/0)
Number of slots	2 slot(s) for auxiliary switch OF (plug-in)[RETURN]1 slot(s) for alarm switch SD (plug-in)[RETURN]1 slot(s) for overcurrent trip switch SDE (plug-in)[RETURN]1 slot(s) for voltage release MN or MX (plug-in)
Power wire stripping length	25 mm
Height	191 mm
Width	104 mm
Depth	86 mm
Net weight	2.4 kg
Phase connection	ABC
Communication interface	Modbus Ethernet
Circuit breaker application	HACR rated

## Environment

Quality labels	CE
Standards	UL CSA NEMA NOM-003-SCFI-2000 IEC 60947-2
Product certifications	UL[RETURN]CSA[RETURN]NOM
IP degree of protection	Front cover: IP40
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	15.2 cm
Package 1 Width	21.6 cm
Package 1 Length	37.6 cm
Package 1 Weight	3.04 kg

## Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	 <a href="#">REACH Declaration</a>
EU RoHS Directive	Compliant with Exemptions
Mercury free	Yes
China RoHS Regulation	 <a href="#">China RoHS Declaration</a>
RoHS exemption information	 <a href="#">Yes</a>
Environmental Disclosure	 <a href="#">Product Environmental Profile</a>
Circularity Profile	 <a href="#">End Of Life Information</a>
PVC free	Yes

## Contractual warranty

Warranty	18 months
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