



Main

Range	PowerPacT
Product name	PowerPacT J
Product or Component Type	Circuit breaker
Device Application	Distribution

Complementary

Line Rated Current	250 A
Number of Poles	2P
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	2500 A
Magnetic hold current	1250 A
Continuous current rating	80 %
[Ui] rated insulation voltage	750 V IEC 60947-2
Protection Type	Overload protection Short-circuit protection
Suitability for isolation	Yes IEC 60947-2
Utilisation category	Category A
AWG gauge	AWG 3/0...350 kcmil aluminium/copper terminals
Local signalling	Switched off (OFF) 1 trip indicator green)
Mounting mode	Unit mount lug)
Mounting Support	Lug
Electrical connection	Lugs, line Lugs, load
Terminal identifier	AL250JD
Long time pick-up adjustment range	0.25...1 x In
Mounting height	4.5 in (114.30 mm)
Tightening torque	221.27 lbf.in (25 N.m) 0.15...0.29 in ² (95...185 mm ²) (AWG 3/0...350 kcmil)

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	0.98 in (25 mm)
Height	7.52 in (191 mm)
Width	4.09 in (104 mm)
Depth	3.39 in (86 mm)
Net Weight	5.29 lb(US) (2.4 kg)
Phase connection	BA
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 IEC 60947-1
Ambient Air Temperature for Operation	28...158 °F (-2...70 °C)
Ambient Air Temperature for Storage	-58...185 °F (-50...85 °C)
Operating altitude	< 6561.68 ft (2000 m) without derating 5000 m with derating

Ordering and shipping details

Category	01115-HG,HJ,JG,JJ UNIT MT BREAKER/SWITCH
Discount Schedule	DE2
GTIN	785901955924
Returnability	Yes
Country of origin	US

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	5.13 in (13.018 cm)
Package 1 Width	7.25 in (18.415 cm)
Package 1 Length	8.44 in (21.433 cm)
Package 1 Weight	4.70 lb(US) (2.132 kg)

Offer Sustainability

Sustainable offer status	Green Premium product
California proposition 65	WARNING: This product can expose you to chemicals including: DINP, which is known to the State of California to cause cancer, and DIDP, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov
REACH Regulation	REACH Declaration
EU RoHS Directive	Compliant with Exemptions
Mercury free	Yes
China RoHS Regulation	China RoHS Declaration
RoHS exemption information	Yes
Environmental Disclosure	Product Environmental Profile

Circularity Profile	End Of Life Information
PVC free	Yes
Contractual warranty	
Warranty	18 months

Technical drawing of the 1000 Series 1/2" device, showing three views: front, side, and detail views.

Front View Dimensions:

- Overall Width: 1.38 [35]
- Overall Height: 6.22 [158]
- Top Mounting Hole Diameter: $\varnothing 0.20$ [5.1]
- Top Mounting Hole Spacing: 1.38 [35]
- Top Mounting Hole to Centerline: 1.38 [35]
- Top Mounting Hole to Bottom Mounting Hole: 6.66 [169]
- Top Mounting Hole to Bottom Mounting Hole (Centerline): 5.74 [146]
- Top Mounting Hole to Bottom Mounting Hole (Bottom): 5.57 [142]
- Top Mounting Hole to Bottom Mounting Hole (Bottom): 2.60 [66]
- Top Mounting Hole to Bottom Mounting Hole (Bottom): 1.76 [45]
- Top Mounting Hole to Bottom Mounting Hole (Bottom): 2.66 [68]
- Top Mounting Hole to Bottom Mounting Hole (Bottom): 1.30 [33]
- Top Mounting Hole to Bottom Mounting Hole (Bottom): 1.38 [35]
- Top Mounting Hole to Bottom Mounting Hole (Bottom): 1.38 [35]
- Top Mounting Hole to Bottom Mounting Hole (Bottom): .86 [22]
- Top Mounting Hole to Bottom Mounting Hole (Bottom): 2.06 [52.3]

Side View Dimensions:

- Overall Height: 7.52 [191]
- Overall Width: 4.25 [108]
- Top Mounting Hole to Bottom Mounting Hole: 1.91 [48.5]
- Top Mounting Hole to Bottom Mounting Hole (Centerline): 2.87 [73]
- Top Mounting Hole to Bottom Mounting Hole (Centerline): 3.24 [82]
- Top Mounting Hole to Bottom Mounting Hole (Centerline): 3.44 [87]
- Top Mounting Hole to Bottom Mounting Hole (Centerline): 3.74 [95]
- Top Mounting Hole to Bottom Mounting Hole (Centerline): 5.00 [127]

Detail View Dimensions:

- Overall Width: 4.12 [104.6]
- Overall Height: 1.06 [27]
- Top Mounting Hole Diameter: .53 [14]
- Top Mounting Hole to Bottom Mounting Hole: .16 [4]
- Top Mounting Hole to Bottom Mounting Hole (Centerline): .73 [18.5]
- Top Mounting Hole to Bottom Mounting Hole (Centerline): .99 [25.2]

Tripped Position Dimensions:

- Tripped Position: 19.5°
- Tripped Position: 21.5°
- Tripped Position: 17.9°

Unit: in. [mm]