

# Product data sheet

Specifications

SQUARE D



Circuit breaker, PowerPact R, 1600A, 3 pole, 600VAC, 25kA, busbar, Micrologic 6.0A, 100%

RJF36160CU44A

Product availability: Non-Stock - Not normally stocked in distribution facility

## Main

Range	PowerPact
Product name	PowerPact R
Product or Component Type	Circuit breaker
Device Application	Distribution

## Complementary

Line Rated Current	1600 A
Number of Poles	3P
Control Type	Operating handle
Breaking capacity code	J
Breaking capacity	AIR 100 kA 240 V AC 50/60 Hz UL 489 AIR 65 kA 480 V AC 50/60 Hz UL 489 AIR 25 kA 600 V AC 50/60 Hz UL 489 Icu 65 kA 240 V AC 50/60 Hz IEC 60947-2 Icu 50 kA 380/415 V AC 50/60 Hz IEC 60947-2
[Ue] rated operational voltage	600 V AC 50/60 Hz UL 489
Network Frequency	50/60 Hz
[Ics] rated service breaking capacity	35 kA 240 V AC 50/60 Hz IEC 60947-2 25 kA 380/415 V AC 50/60 Hz IEC 60947-2
[Uiimp] rated impulse withstand voltage	8 kV IEC 60947-2
Trip unit technology	Electronic, ammeter, MicroLogic 6.0 A, LSIG
Continuous current rating	100 %
[Ui] rated insulation voltage	750 V IEC 60947-2
Trip unit name	MicroLogic 6.0 A
Suitability for isolation	Yes IEC 60947-2
Utilisation category	Category A
AWG gauge	AWG 3/0...750 kcmil aluminium/copper
Local signalling	Alarm 1 LED yellow)long-time pick up) 1 LED red)long-time pick up) Trip causes 1 LED red) 1 LED red)digital ammeter) Ground indicator 1 LED red) Phase-loading LED green)load balancing)
Mounting mode	Unit mount busbar)
Mounting Support	Busbar

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

<b>Electrical connection</b>	Busbar connection, line Busbar connection, load
<b>Terminal identifier</b>	AL2500RK
<b>Tightening torque</b>	601.8 lbf.in (68 N.m) 0.08...0.6 in <sup>2</sup> (50...400 mm <sup>2</sup> ) (AWG 1/0...750 kcmil) 601.8 lbf.in (68 N.m) 0.08...0.2 in <sup>2</sup> (50...150 mm <sup>2</sup> ) (2 x AWG 1/0...2 x 300 kcmil)
<b>Number of slots</b>	2 auxiliary switch OF plug-in) 1 alarm switch SD plug-in) 1 voltage release MN or MX plug-in)
<b>Power wire stripping length</b>	1.4 in (35 mm)
<b>Height</b>	16.24 in (412.50 mm)
<b>Width</b>	16.54 in (420.12 mm)
<b>Depth</b>	14.49 in (368.05 mm)
<b>Net Weight</b>	52 lb(US) (23.6 kg)
<b>Quantity per Set</b>	1
<b>Communication interface</b>	Modbus
<b>Circuit breaker application</b>	HACR rated

## Environment

<b>Quality labels</b>	CE
<b>Standards</b>	UL CSA NEMA NMX J-266 IEC 60947-2
<b>Product certifications</b>	UL CSA NOM
<b>IP degree of protection</b>	IP40
<b>Pollution degree</b>	3 IEC 60947-1
<b>Ambient Air Temperature for Operation</b>	-13...158 °F (-25...70 °C)
<b>Ambient Air Temperature for Storage</b>	-58...185 °F (-50...85 °C)
<b>Operating altitude</b>	< 6561.68 ft (2000 m) without derating 13123.36 ft (4000 m) with derating

## Ordering and shipping details

<b>Category</b>	US10DE201245
<b>Discount Schedule</b>	ODE2
<b>GTIN</b>	785901278962
<b>Returnability</b>	Yes
<b>Country of origin</b>	MX

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Nbr. of units in pkg.</b>	1
<b>Package 1 Height</b>	13.00 in (33.02 cm)
<b>Package 1 Width</b>	19.00 in (48.26 cm)
<b>Package 1 Length</b>	19.80 in (50.292 cm)

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Package weight(Lbs) 74.999 lb(US) (34.019 kg)

## Contractual warranty

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Warranty 18 months



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

Carbon footprint (kg CO2 eq, Total Life cycle)	<b>2656</b>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>

## Use Better

### Materials and Substances

Packaging made with recycled cardboard	Yes
Packaging without single use plastic	No
<a href="#">EU RoHS Directive</a>	Compliant with Exemptions
REACH Regulation	<a href="#">REACH Declaration</a>

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](http://www.P65Warnings.ca.gov)**

Halogen content performance	Halogen free plastic parts product
PVC free	Yes

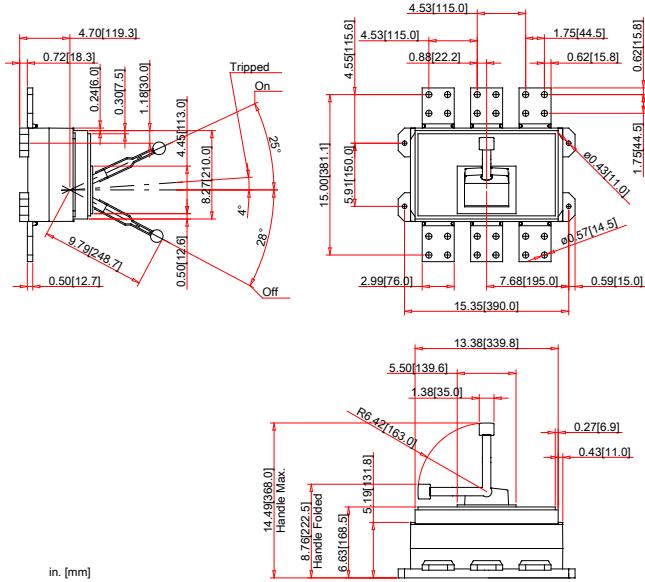
## Use Again

### Repack and remanufacture

Circularity Profile	<a href="#">End of Life Information</a>
Removable battery	Yes
Take-back	No

## Technical Illustration

## Dimensions



REFER TO TECHNICAL DRAWINGS AND DOCUMENTATION FOR COMPLETE INFORMATION.