

# Product data sheet

Specifications

SQUARE D



Circuit breaker, PowerPacT R, 1600A, 3 pole, 600VAC, 65kA, busbar, ET 1.0I, 80%

RKF36160

**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	K
Breaking capacity	AIR 65 kA 240 V AC 50/60 Hz UL 489 AIR 65 kA 480 V AC 50/60 Hz UL 489 AIR 65 kA 600 V AC 50/60 Hz UL 489 Icu 85 kA 240 V AC 50/60 Hz IEC 60947-2 Icu 70 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	65 kA 240 V AC 50/60 Hz IEC 60947-2 55 kA 380/415 V AC 50/60 Hz IEC 60947-2
[Uimp] rated impulse withstand voltage	8 kV IEC 60947-2
Trip unit technology	Electronic, basic, ET 1.0I, I
Magnetic tripping current	2400...19200 A
Continuous current rating	80 %
[Ui] rated insulation voltage	750 V IEC 60947-2
Trip unit name	ET 1.0I
Suitability for isolation	Yes IEC 60947-2
Utilisation category	Category A
AWG gauge	AWG 3/0...750 kcmil aluminium/copper
Local signalling	trip indicator
Mounting mode	Unit mount busbar)
Mounting Support	Busbar
Electrical connection	Busbar connection, line Busbar connection, load
Terminal identifier	AL2500RK

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

<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>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>GTIN</b>	785901009092
<b>Returnability</b>	No

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Nbr. of units in pkg.</b>	1
<b>Package weight(Lbs)</b>	52.0005 lb(US) (23.587 kg)

## Contractual warranty

<b>Warranty (in months)</b>	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	2 586 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	108 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	7 kg CO2 eq.
Carbon footprint of the installation phase [A5]	5 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	2 436 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	30 kg CO2 eq.
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
SCIP Number	E0af0645-a161-4464-bcbd-19783d1f9e01
California proposition 65	<b>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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a></b>
Halogen content performance	Halogen free plastic parts product
PVC free	Yes

## Use Longer



### Lifetime extension

Repair	No
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## Use Again



### Repack and remanufacture

Recyclability potential, in %	88
Circularity Profile	<a href="#">End of Life Information</a>
Take-back	No
WEEE Label	 The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.