

# Product datasheet

Specifications



Circuit breaker, EasyPact Solar  
MCCB 800, 3P, 50kA at 800VAC,  
630A rating, ETU trip unit,  
adjustable thermal protection

SOL80N3E630

## Main

Range of product	EasyPact Solar MCCB
Product or component type	Circuit breaker
Device short name	MCCB 800
Device application	Distribution
Poles description	3P
Protected poles description	3D
[In] rated current	630 A at 40 °C
[Ue] rated operational voltage	800 V AC 50/60 Hz conforming to EN/IEC 60947-2
Suitability for isolation	Yes conforming to EN/IEC 60947-2
Utilisation category	Category A
[Icu] rated ultimate short-circuit breaking capacity	50 kA Icu at 800 V AC 50/60 Hz conforming to EN/IEC 60947-2
Performance level	N 50 kA 800 V AC
Trip unit name	ETU
Trip unit technology	Electronic
Trip unit protection functions	LSI
Control type	Toggle
Circuit breaker mounting mode	Fixed

## Complementary

[U <sub>i</sub> ] rated insulation voltage	1250 V AC conforming to EN/IEC 60947-2
[U <sub>imp</sub> ] rated impulse withstand voltage	8 kV conforming to EN/IEC 60947-2
[I <sub>cs</sub> ] rated service short-circuit breaking capacity	40 kA at 800 V AC 50/60 Hz conforming to EN/IEC 60947-2
Mechanical durability	20000 cycles
Electrical durability	2000 cycles at 800 V In
Power dissipation per pole	38 W
Mounting support	Backplate
Mounting position	Horizontal and vertical
Upside connection	Front
Downside connection	Front
Connection terminals	screw terminals
Connection pitch	40 mm

<b>Protection type</b>	L : for overload protection S : for short-circuit protection I : for instantaneous short-circuit protection
<b>Trip unit rating</b>	630 A at 40 °C
<b>Long-time pick-up adjustment type Ir (thermal protection)</b>	Adjustable
<b>[Ir] long-time protection pick-up adjustment range</b>	0.25...1 x In
<b>Long-time protection delay adjustment type tr</b>	Adjustable
<b>[tr] long-time protection delay adjustment range</b>	3...10 s at 6 x Ir 3...10 s at 7.2 x Ir
<b>Thermal memory</b>	Yes
<b>Short-time protection pick-up adjustment type Isd</b>	Adjustable
<b>[Isd] Short-time protection pick-up adjustment range</b>	1.5...10 x Ir
<b>Short-time protection delay adjustment type tsd</b>	Adjustable
<b>[tsd] Short-time protection delay adjustment range</b>	150 ms I <sup>2</sup> t=off 150 ms I <sup>2</sup> t=on
<b>Instantaneous protection pick-up adjustment type Ii</b>	Adjustable
<b>[Ii] instantaneous protection pick-up adjustment range</b>	1.5...10 x In
<b>Width (W)</b>	180 mm
<b>Height (H)</b>	250 mm
<b>Depth (D)</b>	105 mm
<b>Net weight</b>	6.5 kg
<b>Colour</b>	Grey (RAL 7015)

## Environment

<b>Standards</b>	EN/IEC 60947-1 EN/IEC 60947-2 EN/IEC 60947-2 Annex H
<b>Overvoltage category</b>	III
<b>Pollution degree</b>	3 conforming to IEC 60664-1
<b>IP degree of protection</b>	IP20 conforming to IEC 60529
<b>Ambient air temperature for operation</b>	-20...70 °C
<b>Ambient air temperature for storage</b>	-35...85 °C
<b>Operating altitude</b>	0...2000 m without derating 2000...5000 m with derating

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1
<b>Package 1 Height</b>	18.000 cm
<b>Package 1 Width</b>	26.500 cm
<b>Package 1 Length</b>	29.500 cm
<b>Package 1 Weight</b>	9.008 kg

# Contractual warranty

---

Warranty (in months)

18



## 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	981 kg CO2 eq.
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Carbon footprint of the manufacturing phase [A1 to A3]	54 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	2 kg CO2 eq.
Carbon footprint of the installation phase [A5]	3 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	903 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	19 kg CO2 eq.

## Use Better



### Materials and Substances

Packaging made with recycled cardboard	Yes
Packaging without single use plastic	No, we have minimized the use of plastic in the packaging in compliance with regulations and considering quality and safety standards
SCIP Number	D7fe0057-b0a2-4f72-adf0-d84d18b1b57f
Halogen-free status	Halogen free plastic parts product
PVC free	Yes
Silicone-free	No

## Use Longer



### Lifetime extension

Repair	No
--------	----

## Use Again



### Repack and remanufacture

Recyclability potential, in %	48
End of life manual availability	<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