

# Product datasheet

Specifications



Circuit breaker, EasyPact Solar MCCB 400, 3P, 25kA at 800VAC, 320A rating, TMD trip unit, adjustable thermal protection

SOL40B3A320

## Main

Range of product	EasyPact Solar MCCB
Product or component type	Circuit breaker
Device short name	MCCB 400
Device application	Distribution
Poles description	3P
Protected poles description	3D
[In] rated current	320 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	25 kA Icu at 800 V AC 50/60 Hz conforming to EN/IEC 60947-2
Performance level	B 25 kA 800 V AC
Trip unit name	TM-D
Trip unit technology	Thermal-magnetic
Trip unit protection functions	LI
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	25 kA at 800 V AC 50/60 Hz conforming to EN/IEC 60947-2
Mechanical durability	20000 cycles
Electrical durability	4000 cycles at 800 V In
Power dissipation per pole	26 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 (thermal) I : for short-circuit protection (magnetic)
<b>Trip unit rating</b>	320 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>	0.7...1 x In
<b>Long-time protection delay adjustment type tr</b>	Fixed
<b>Thermal memory</b>	Yes
<b>Instantaneous protection pick-up adjustment type Ii</b>	Adjustable
<b>[Ii] instantaneous protection pick-up adjustment range</b>	6...12 x In
<b>Width (W)</b>	120 mm
<b>Height (H)</b>	205 mm
<b>Depth (D)</b>	105 mm
<b>Product weight</b>	3.5 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>Overtoltage 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>	-10...50 °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>	22.200 cm
<b>Package 1 Width</b>	15.300 cm
<b>Package 1 Length</b>	25.700 cm
<b>Package 1 Weight</b>	4.630 kg
<b>Unit Type of Package 2</b>	S03
<b>Number of Units in Package 2</b>	2
<b>Package 2 Height</b>	30.000 cm
<b>Package 2 Width</b>	30.000 cm
<b>Package 2 Length</b>	40.000 cm
<b>Package 2 Weight</b>	10.074 kg

## Contractual warranty





## 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	591 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	39 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	1 kg CO2 eq.
Carbon footprint of the installation phase [A5]	1 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	532 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	17 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, we have minimized the use of plastic in the packaging in compliance with regulations and considering quality and safety standards
SCIP Number	F488db74-c22d-403c-9d1f-4ebfab1a2454
EU RoHS Directive	<a href="#">Compliant By Exemption</a>
REACH Regulation	<a href="#">Reference contains Substances of Very High Concern above the threshold</a>
Halogen-free status	Halogen free plastic parts product
PVC free	Yes
Silicone-free	No

## Use Longer



### Lifetime extension

Repair	No
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## Use Again



### Repack and remanufacture

Recyclability potential, in %	1
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



Technical Illustration

Dimensions

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