Product datasheet

Specifications

Circuit breaker, EasyPact Solar MCCB 400, 3P, 25kA at 800VAC, 125A rating, ETU trip unit, adjustable thermal protection

SOL40B3E125

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	125 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	ETU
Trip unit technology	Electronic
Trip unit protection functions	LSI
Control type	Toggle
Circuit breaker mounting mode	Fixed

Complementary

[Ui] rated insulation voltage	1250 V AC conforming to EN/IEC 60947-2
[Uimp] rated impulse withstand voltage	8 kV conforming to EN/IEC 60947-2
[Ics] 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	5 W
Mounting support	Backplate
Mounting position	Horizontal and vertical
Upside connection	Front
Downside connection	Front
Connection terminals	screw terminals
Connection pitch	40 mm

Protection type	L : for overload protection S : for short-circuit protection I : for instantaneous short-circuit protection
Trip unit rating	125 A at 40 °C
Long-time pick-up adjustment type Ir (thermal protection)	Adjustable
[Ir] long-time protection pick-up adjustment range	0.25...1 x In
Long-time protection delay adjustment type tr	Adjustable
[tr] long-time protection delay adjustment range	3…10 s at 6 x Ir 3…10 s at 7.2 x Ir
Thermal memory	Yes
Short-time protection pick-up adjustment type Isd	Adjustable
[Isd] Short-time protection pick-up adjustment range	1.5...12 x Ir
Short-time protection delay adjustment type tsd	Adjustable
[tsd] Short-time protection delay adjustment range	150 ms I^2t=off 150 ms I^2t=on
Instantaneous protection pick-up adjustment type Ii	Adjustable
[Ii] instantaneous protection pick-up adjustment range	1.5...12 x In
Width (W)	120 mm
Height (H)	205 mm
Depth (D)	105 mm
Net weight	3.5 kg
Colour	Grey (RAL 7015)

Environment

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

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	21.500 cm
Package 1 Width	15.500 cm
Package 1 Length	26.000 cm
Package 1 Weight	4.885 kg
Unit Type of Package 2	S03

Number of Units in Package 2	2
Package 2 Height	30.000 cm
Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	10.263 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	**175 kg CO2 eq.**
Environmental Disclosure	**Product Environmental Profile**
Carbon footprint of the manufacturing phase [A1 to A3]	**38 kg CO2 eq.**
Carbon footprint of the distribution phase [A4]	**1 kg CO2 eq.**
Carbon footprint of the installation phase [A5]	**2 kg CO2 eq.**
Carbon footprint of the use phase [B2, B3, B4, B6]	**119 kg CO2 eq.**
Carbon footprint of the end-of-life phase [C1 to C4]	**14 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	**End of Life Information**
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**