

# Product datasheet

Specifications



## circuit breaker, EasyPact EZS100F with TMD trip unit, 50A, 3P/3d

EZS100F3050

⚠ Discontinued on: Sep 13, 2024 AD

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## Main

Range of product	EasyPact EZS
Product or component type	Circuit breaker
Device short name	EZS100F
Circuit breaker application	Distribution
Poles description	3P
Protected poles description	3D
Breaking capacity code	F
Control type	Toggle
Network type	AC
Network frequency	50/60 Hz
Upside connection	Front
Downside connection	Front
[In] rated current	50 A at 40 °C

## Complementary

[Ui] rated insulation voltage	690 V conforming to EN/IEC 60947-2
[Uimp] rated impulse withstand voltage	6 kV conforming to EN/IEC 60947-2
[Ue] rated operational voltage	440 V AC 50/60 Hz conforming to EN/IEC 60947-2 400 V AC 50/60 Hz conforming to GB 14048.2
Neutral position	Left
Mounting mode	Fixed
Mounting support	Backplate
Connection pitch	25 mm
Breaking capacity	60 kA Icu at 220/240 V AC 50/60 Hz conforming to EN/IEC 60947-2 30 kA Icu at 380/400 V AC 50/60 Hz conforming to EN/IEC 60947-2 30 kA Icu at 415 V AC 50/60 Hz conforming to EN/IEC 60947-2 20 kA Icu at 440 V AC 50/60 Hz conforming to EN/IEC 60947-2 65 kA Icu at 200/230 V AC 50/60 Hz conforming to GB 14048.2 35 kA Icu at 380/400 V AC 50/60 Hz conforming to GB 14048.2
[Ics] rated service breaking capacity	30 kA at 220/230 V AC 50/60 Hz conforming to GB 14048.2 17 kA at 380/400 V AC 50/60 Hz conforming to GB 14048.2 30 kA at 220/240 V AC 50/60 Hz conforming to EN/IEC 60947-2 17 kA at 380/400 V AC 50/60 Hz conforming to EN/IEC 60947-2
Suitability for isolation	Yes
Utilisation category	Category A

<b>Mechanical durability</b>	13000 cycles conforming to EN/IEC 60947-2 20000 cycles conforming to GB 14048.2
<b>Electrical durability</b>	4000 cycles 415 V In/2 conforming to EN/IEC 60947-2 8000 cycles 400 V In conforming to GB 14048.2
<b>Protection type</b>	Overload protection (thermal) Short-circuit protection (magnetic)
<b>Trip unit name</b>	TM-D
<b>Trip unit technology</b>	Thermal-magnetic
<b>Trip unit rating</b>	50 A at 40 °C
<b>Long time pick-up adjustment type I<sub>r</sub></b>	Fixed
<b>Long time pick-up adjustment range</b>	1 In
<b>Long time delay adjustment type</b>	Fixed
<b>Instantaneous pick-up adjustment type I<sub>i</sub></b>	Fixed
<b>Integral instant protection</b>	500 kA

## Environment

<b>Standards</b>	IEC 60947-2 EN 60947-2
<b>IP degree of protection</b>	IP40 conforming to IEC 60529
<b>IK degree of protection</b>	IK07 conforming to IEC 62262
<b>Pollution degree</b>	3 conforming to IEC 60947-1
<b>Ambient air temperature for operation</b>	-35...70 °C
<b>Ambient air temperature for storage</b>	-50...85 °C
<b>Height</b>	130 mm
<b>Width</b>	75 mm
<b>Depth</b>	60 mm
<b>Product weight</b>	0.78 kg

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1
<b>Package 1 Height</b>	13.0 cm
<b>Package 1 Width</b>	7.5 cm
<b>Package 1 Length</b>	6.0 cm
<b>Package 1 Weight</b>	780.0 g

## 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	292 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	7 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.2 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	284 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	2 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
EU RoHS Directive	<a href="#">Compliant By Exemption</a>

## Use Longer



### Lifetime extension

Repair	No
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## Use Again



### Repack and remanufacture

End of life manual availability	<a href="#">End of Life Information</a>
Take-back	No

