

Product datasheet

Specifications



circuit breaker, EasyPact EZS100E with TMD trip unit, 20A, 3P/3d

EZS100E3020

⚠ 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	EZS100E
Circuit breaker application	Distribution
Poles description	3P
Protected poles description	3D
Breaking capacity code	E
Control type	Toggle
Network type	AC
Network frequency	50/60 Hz
Upside connection	Front
Downside connection	Front
[In] rated current	20 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	50 kA Icu at 220/240 V AC 50/60 Hz conforming to EN/IEC 60947-2 25 kA Icu at 380/400 V AC 50/60 Hz conforming to EN/IEC 60947-2 25 kA Icu at 415 V AC 50/60 Hz conforming to EN/IEC 60947-2 17 kA Icu at 440 V AC 50/60 Hz conforming to EN/IEC 60947-2 40 kA Icu at 200/230 V AC 50/60 Hz conforming to GB 14048.2 25 kA Icu at 380/400 V AC 50/60 Hz conforming to GB 14048.2
[Ics] rated service breaking capacity	25 kA at 220/230 V AC 50/60 Hz conforming to GB 14048.2 13 kA at 380/400 V AC 50/60 Hz conforming to GB 14048.2 25 kA at 220/240 V AC 50/60 Hz conforming to EN/IEC 60947-2 15 kA at 380/400 V AC 50/60 Hz conforming to EN/IEC 60947-2
Suitability for isolation	Yes
Utilisation category	Category A

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Mechanical durability	13000 cycles conforming to EN/IEC 60947-2 20000 cycles conforming to GB 14048.2
Electrical durability	4000 cycles 415 V In/2 conforming to EN/IEC 60947-2 8000 cycles 400 V In conforming to GB 14048.2
Protection type	Overload protection (thermal) Short-circuit protection (magnetic)
Trip unit name	TM-D
Trip unit technology	Thermal-magnetic
Trip unit rating	20 A at 40 °C
Long time pick-up adjustment type Ir	Fixed
Long time pick-up adjustment range	1 In
Long time delay adjustment type	Fixed
Instantaneous pick-up adjustment type Ii	Fixed
Integral instant protection	300 kA

Environment

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

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	6.7 cm
Package 1 Width	7.7 cm
Package 1 Length	13 cm
Package 1 Weight	820 g
Unit Type of Package 2	CAR
Number of Units in Package 2	24
Package 2 Height	29.5 cm
Package 2 Width	38 cm
Package 2 Length	59.5 cm
Package 2 Weight	19.68 kg
Unit Type of Package 3	PAL

Number of Units in Package 3	144
Package 3 Height	102.5 cm
Package 3 Width	60 cm
Package 3 Length	80 cm
Package 3 Weight	125.28 kg

Contractual warranty

Warranty (in months)	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	480 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile
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]	471 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	2 kg CO2 eq.

Use Better



Materials and Substances

Packaging made with recycled cardboard	Yes
Packaging without single use plastic	No
EU RoHS Directive	Compliant By Exemption

Use Longer



Lifetime extension

Repair	No
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Use Again



Repack and remanufacture

End of life manual availability	End of Life Information
Take-back	No