



Main

Range of product	EZD
Product or component type	Circuit breaker
Device short name	EZD100E
Circuit breaker application	Distribution
Poles description	4P
Protected poles description	3d

Complementary

Earth-leakage protection	Without
[In] rated current	50 A 40 °C
Breaking capacity code	E
Network type	AC
Network frequency	50/60 Hz
Control type	Toggle
Mounting mode	Fixed
Mounting support	Backplate
Upside connection	Front
Downside connection	Front
[Ui] rated insulation voltage	690 V EN/IEC 60947-2
[Uimp] rated impulse withstand voltage	6 kV EN/IEC 60947-2
[Ue] rated operational voltage	500 V EN/IEC 60947-2 AC 50/60 Hz
Breaking capacity	10 kA Icu EN/IEC 60947-2 500 V AC 50/60 Hz 50 kA Icu EN/IEC 60947-2 220/230 V AC 50/60 Hz 25 kA Icu EN/IEC 60947-2 380/400 V AC 50/60 Hz 25 kA Icu EN/IEC 60947-2 415 V AC 50/60 Hz 20 kA Icu EN/IEC 60947-2 440 V AC 50/60 Hz
Utilisation category	Category A
[Ics] rated service breaking capacity	25 kA EN/IEC 60947-2 220/230 V AC 50/60 Hz 13 kA EN/IEC 60947-2 380/400 V AC 50/60 Hz 7 kA EN/IEC 60947-2 415 V AC 50/60 Hz 5 kA EN/IEC 60947-2 440 V AC 50/60 Hz 3 kA EN/IEC 60947-2 500 V AC 50/60 Hz
Mechanical durability	8500 cycles
Electrical durability	4000 cycles EN/IEC 60947-2 440 V In
Connection pitch	25 mm
Trip unit name	TM-D
Trip unit technology	Thermal-magnetic
Trip unit rating	50 A 40 °C
Protection type	Short-circuit protection (magnetic) Overload protection (thermal)
Long time pick-up adjustment type I _r	Fixed
Long time pick-up adjustment range	1 I _n
Instantaneous pick-up adjustment type I _i	Fixed
Height	130 mm
Width	100 mm

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Depth	60 mm
Product weight	1 kg
Compatibility code	EZD100

Environment

Standards	EN 60947-2 IEC 60947-2
Pollution degree	3 IEC 60947-1
Ambient air temperature for operation	-25...70 °C
Ambient air temperature for storage	-50...85 °C

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 0734 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Available