Product data sheet
Characteristics

EZC100N3100
circuit breaker,EasyPact EZC100N ,TMD, 100A ,3 poles 3d



Main

Range of product	EasyPact
Product or component type	Circuit breaker
Device short name	Easypact EZC100N
Circuit breaker name	Easypact EZC100N
Device application	Distribution
Poles description	3P
Protected poles description	3t
Network type	DC AC
Network frequency	50/60 Hz
[In] rated current	100 A at 40 °C
[Ui] rated insulation voltage	690 V AC 50/60 Hz conforming to IEC 60947-2
[Uimp] rated impulse withstand voltage	6 KV conforming to IEC 60947-2
[Ue] rated operational voltage	550 V AC 50/60 Hz conforming to IEC 60947-2 250 V DC conforming to IEC 60947-2
Breaking capacity code	N
Breaking capacity	10 KA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 15 KA Icu at 400...415 V AC 50/60 Hz conforming to IEC 60947-2 18 KA Icu at 380 V AC 50/60 Hz conforming to IEC 60947-2 25 KA Icu at 110...130 V AC 50/60 Hz conforming to IEC 60947-2 25 KA Icu at 220...240 V AC 50/60 Hz conforming to IEC 60947-2 5 KA Icu at 125 V DC 1P conforming to IEC 60947-2 5 KA Icu at 250 V DC 2P conforming to IEC 60947-2 5 KA Icu at 550 V AC 50/60 Hz conforming to IEC 60947-2
[Ics] rated service breaking capacity	5 KA at 440 V AC 50/60 Hz conforming to IEC 60947-2 9 KA at 380 V AC 50/60 Hz conforming to IEC 60947-2 12.5 KA at 110/130 V AC 50/60 Hz conforming to IEC 60947-2 12.5 KA at 220/230/240 V AC 50/60 Hz conforming to IEC 60947-2 2.5 KA at 125 V DC conforming to IEC 60947-2 2.5 KA at 250 V DC conforming to IEC 60947-2 2.5 KA at 550 V AC 50/60 Hz conforming to IEC 60947-2 7.5 KA at 400/415 V AC 50/60 Hz conforming to IEC 60947-2
Suitability for isolation	Yes conforming to IEC 60947-2
Utilisation category	Category A
Trip unit name	TM-D
Trip unit technology	Thermal-magnetic
Trip unit rating	100 A at 50 °C
Protection type	Short-circuit protection Overload protection
Pollution degree	3 conforming to IEC 60664-1 3 conforming to IEC 947-1

Complementary

Control type	Toggle
Mounting mode	Fixed
Mounting support	Backplate
Upside connection	Front
Downside connection	Front
Mechanical durability	13000 Cycles
Connection pitch	25 Mm
Local signalling	Positive contact indication
Neutral protection setting	Without protection
Earth-leakage protection	Without
Height	130 Mm
Width	75 Mm
Depth	60 Mm

Environment

Standards	EN/IEC 60947-1 GB/T 14048.2 EN/IEC 60947-2 JIS C8201-2-2
IP degree of protection	IP20 conforming to IEC 60529
IK degree of protection	IK07 conforming to IEC 62262
Ambient air temperature for operation	-25…70 °C
Ambient air temperature for storage	-35…85 °C

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	9.5 Cm
Package 1 Width	9 Cm
Package 1 Length	14 Cm
Package 1 Weight	784 G
Unit Type of Package 2	S02
Number of Units in Package 2	12
Package 2 Height	15 Cm
Package 2 Width	30 Cm
Package 2 Length	40 Cm
Package 2 Weight	9.81 Kg
Unit Type of Package 3	P12
Number of Units in Package 3	384
Package 3 Height	75 Cm
Package 3 Width	80 Cm
Package 3 Length	120 Cm
Package 3 Weight	328 Kg

Offer Sustainability

Recyclability potential, in %	43
Total lifecycle Carbon footprint	267 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	6.7585
Carbon footprint of the manufacturing phase [A1 to A3]	7 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.24113
Carbon footprint of the distribution phase [A4]	0.2 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0.10146
Carbon footprint of the installation phase [A5]	0.1 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	259.1

Carbon footprint of the use phase [B2, B3, B4, B6]	259 kg CO2 eq.
Toxic heavy metal free	Yes
Mercury free	Yes
Sustainable packaging	No
Carbon footprint of the end-of-life phase [C1 to C4]	1.2181
Carbon footprint of the end-of-life phase [C1 to C4]	1 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile
Total lifecycle Carbon footprint	267
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 c
SCIP Number	2958c627-310e-4ae4-a905-31a369b1aaa8
REACh Regulation	Reference contains Substances of Very High Concern above the threshold
EU RoHS Directive	Compliant
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and Cadmium and cadm
End of life manual availability	No need of specific recycling operations
Take-back	No
WEEE Label	The product must be disposed on European Union markets following specific waste collection a

Contractual warranty

Warranty (in months)	18

Product Life Status : Commercialised