

Product data sheet

Specifications



circuit breaker Easypact EZC100N - TMD - 80 A - 1 pole 1d

EZC100N1080

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	1P
Protected poles description	1t
Network type	DC AC
Network frequency	50/60 Hz
[In] rated current	80 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	125 V DC conforming to IEC 60947-2 415 V AC 50/60 Hz conforming to IEC 60947-2
Breaking capacity code	N
Breaking capacity	25 kA Icu at 110...130 V AC 50/60 Hz conforming to IEC 60947-2 5 kA Icu at 125 V DC 1P conforming to IEC 60947-2 18 kA Icu at 220...240 V AC 50/60 Hz conforming to IEC 60947-2 2.5 kA Icu at 380 V AC 50/60 Hz conforming to IEC 60947-2 2.5 kA Icu at 400...415 V AC 50/60 Hz conforming to IEC 60947-2
[Ics] rated service breaking capacity	12.5 kA at 110/130 V AC 50/60 Hz conforming to IEC 60947-2 2.5 kA at 125 V DC conforming to IEC 60947-2 9 kA at 220/230/240 V AC 50/60 Hz conforming to IEC 60947-2 1.25 kA at 380 V AC 50/60 Hz conforming to IEC 60947-2 1.25 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	80 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	8500 cycles
Electrical durability	Category A: 1500 cycles 415 V AC 50/60 Hz conforming to IEC 60947-2
Connection pitch	25 mm
Local signalling	Positive contact indication
Neutral protection setting	Without protection
Earth-leakage protection	Without
Height	130 mm
Width	25 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

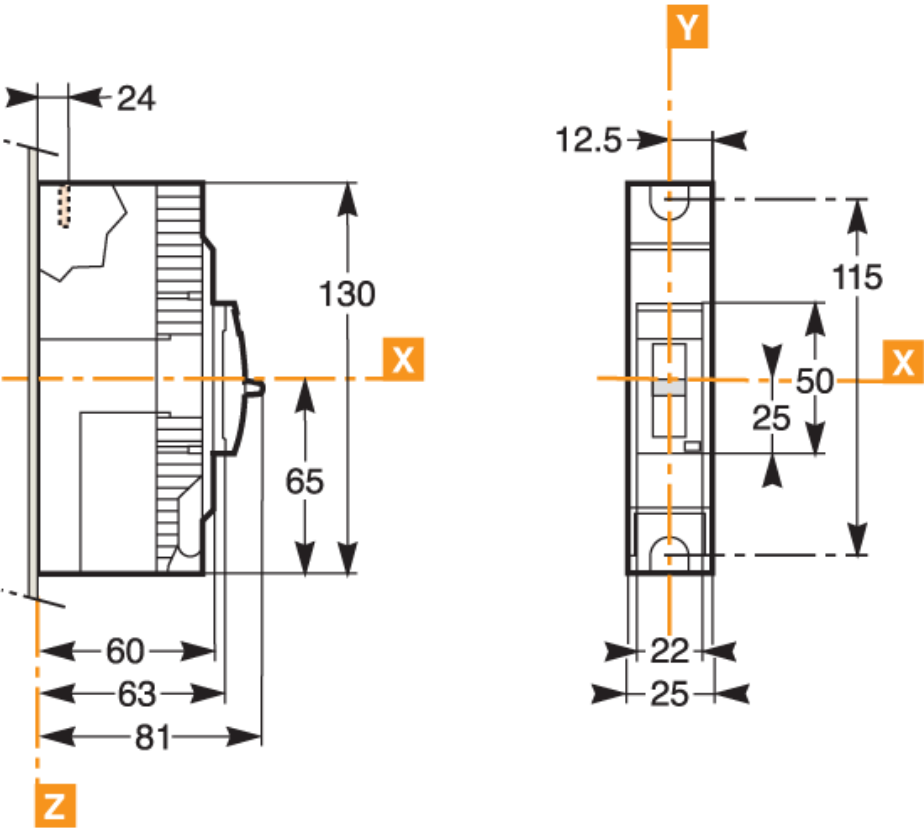
Packing Units

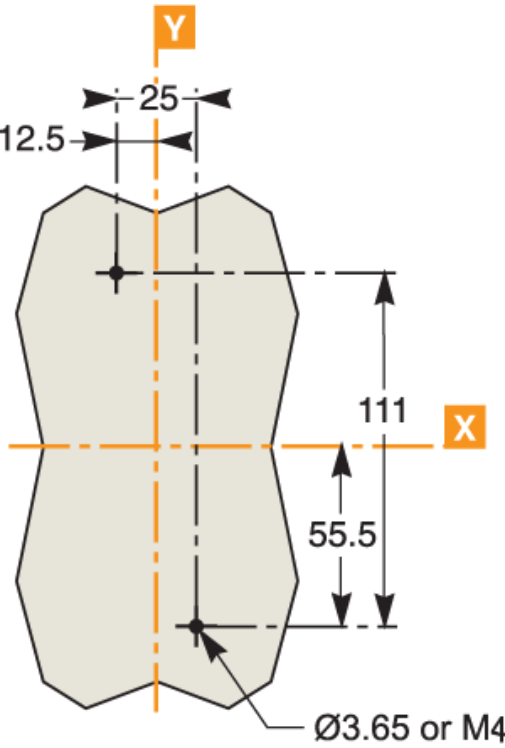
Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	14 cm
Package 1 Width	3 cm
Package 1 Length	9.5 cm
Package 1 Weight	353 g
Unit Type of Package 2	S02
Number of Units in Package 2	32
Package 2 Height	15 cm
Package 2 Width	30 cm
Package 2 Length	40 cm
Package 2 Weight	11.53 kg
Unit Type of Package 3	P12
Number of Units in Package 3	1024
Package 3 Height	75 cm
Package 3 Width	80 cm

Package 3 Length	120 cm
Package 3 Weight	378 kg
Offer Sustainability	
Sustainable offer status	Green Premium product
REACH Regulation	REACH Declaration
REACH free of SVHC	Yes
EU RoHS Directive	Compliant EU RoHS Declaration
Toxic heavy metal free	Yes
Mercury free	Yes
China RoHS Regulation	China RoHS declaration
RoHS exemption information	Yes
Environmental Disclosure	Product Environmental Profile
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

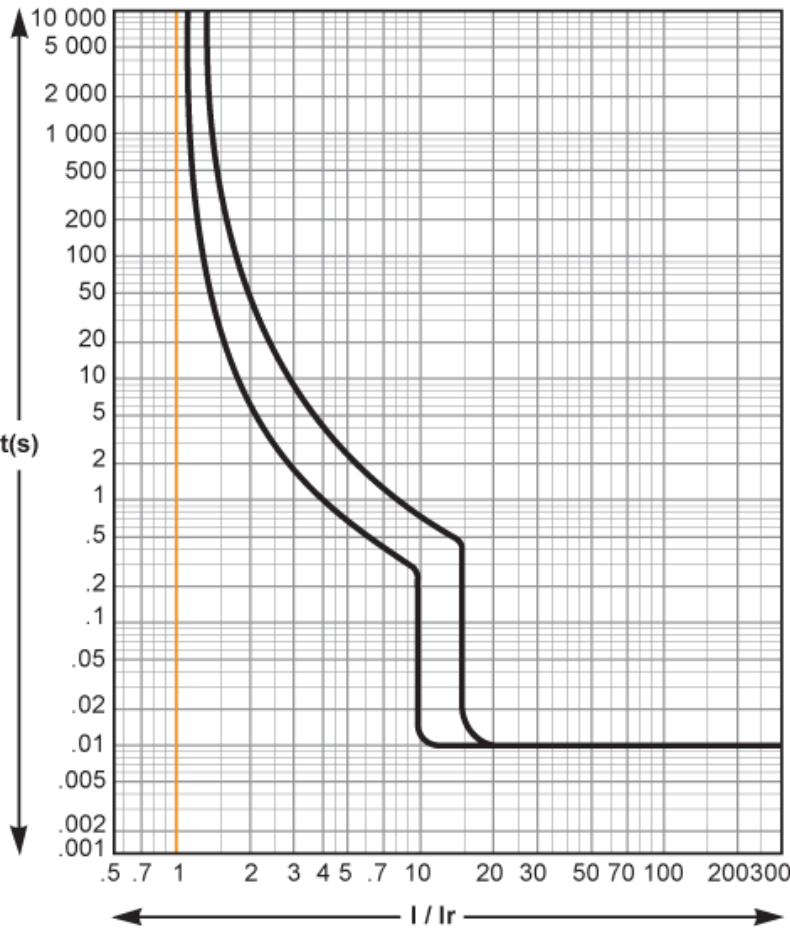
Contractual warranty

Warranty	18 months
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Performance Curves



Recommended replacement(s)