

# Product datasheet

Specifications



## circuit breaker EasyPact EZC100H - TMD - 50 A - 4 poles 3d

EZC100H4050

### Main

Range of product	EasyPact
Product or component type	Circuit breaker
Device short name	EasyPact EZC100H
Circuit breaker name	EasyPact EZC100H
Device application	Distribution
Poles description	4P
Protected poles description	3t
Network type	AC DC
Network frequency	50/60 Hz
[In] rated current	50 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	H
Breaking capacity	10 kA Icu at 125 V DC 1P conforming to IEC 60947-2 10 kA Icu at 250 V DC 2P conforming to IEC 60947-2 10 kA Icu at 550 V AC 50/60 Hz conforming to IEC 60947-2 100 kA Icu at 110...130 V AC 50/60 Hz conforming to IEC 60947-2 20 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 50 kA Icu at 220...240 V AC 50/60 Hz conforming to IEC 60947-2 30 kA Icu at 380...400 V AC 50/60 Hz conforming to IEC 60947-2 30 kA Icu at 415 V AC 50/60 Hz conforming to IEC 60947-2
[Ics] rated service breaking capacity	5 kA at 125 V DC conforming to IEC 60947-2 5 kA at 250 V DC conforming to IEC 60947-2 5 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2 2.5 kA at 550 V AC 50/60 Hz conforming to IEC 60947-2 15 kA at 380...400 V AC 50/60 Hz conforming to IEC 60947-2 25 kA at 220...240 V AC 50/60 Hz conforming to IEC 60947-2 50 kA at 110...130 V AC 50/60 Hz conforming to IEC 60947-2 7.5 kA at 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	50 A at 50 °C

Protection type	Short-circuit protection Overload protection
Pollution degree	3 conforming to IEC 60947
<b>Complementary</b>	
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	100 mm
Depth	60 mm
<b>Environment</b>	
Standards	EN/IEC 60947-2 GB/T 14048.2 EN/IEC 60947-1 JIS C8201-2-2
IP degree of protection	IP20 conforming to IEC 60529
IK degree of protection	IK07 conforming to EN 50102
Ambient air temperature for operation	-25...70 °C
Ambient air temperature for storage	-35...85 °C
<b>Packing Units</b>	
Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	9.5 cm
Package 1 Width	14.0 cm
Package 1 Length	11.0 cm
Package 1 Weight	1.06 kg
Unit Type of Package 2	S02
Number of Units in Package 2	9
Package 2 Height	15.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	9.995 kg
Unit Type of Package 3	P12
Number of Units in Package 3	288

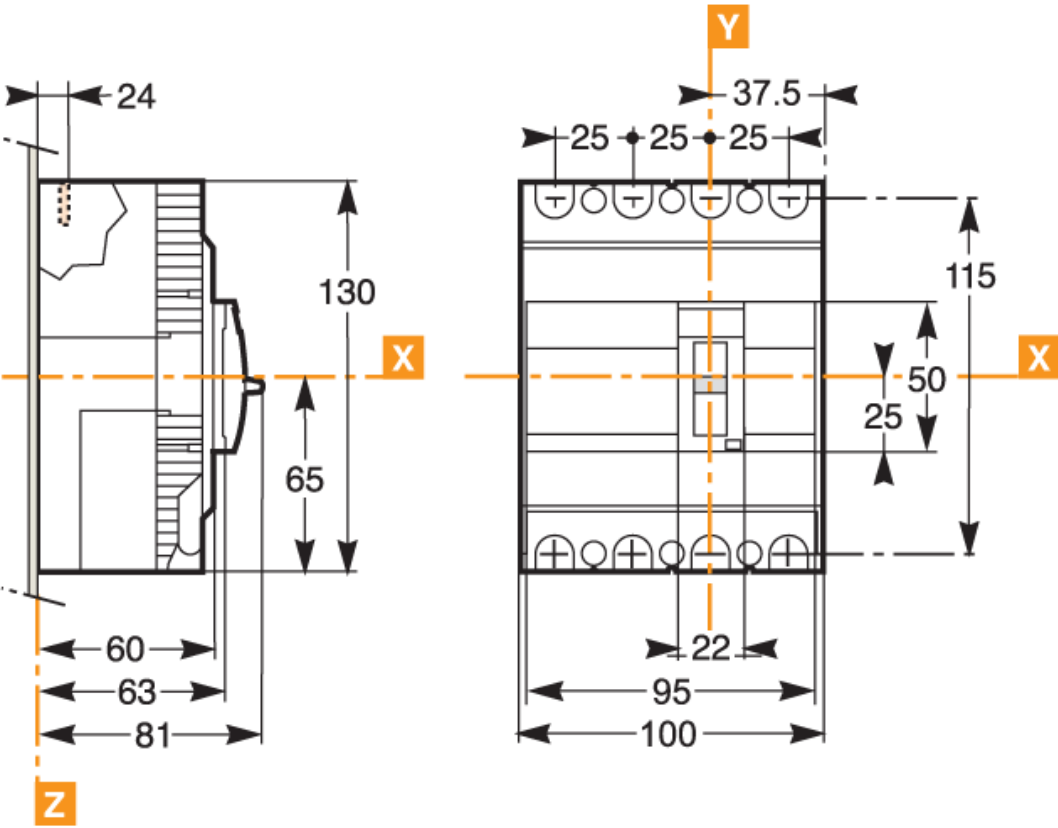
Package 3 Height	75 cm
Package 3 Width	120 cm
Package 3 Length	80 cm
Package 3 Weight	319 kg

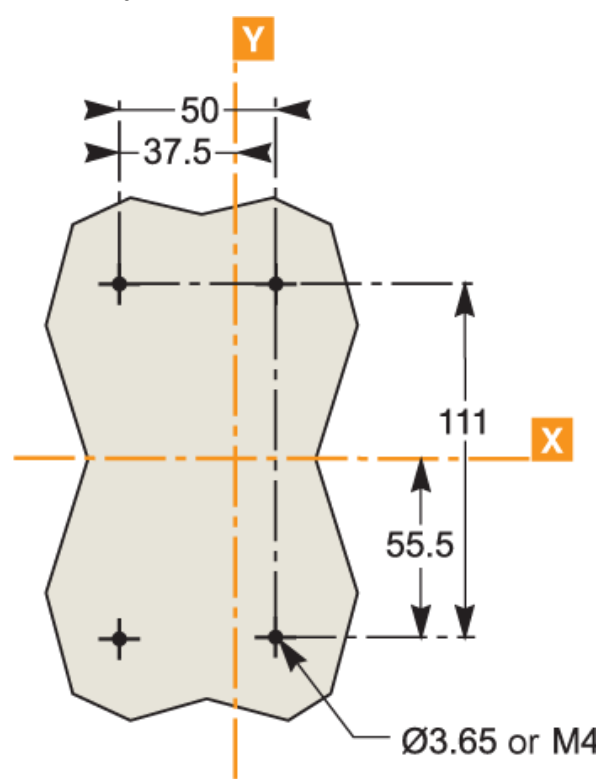
Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	<a href="#">REACH Declaration</a>
REACH free of SVHC	Yes
EU RoHS Directive	Compliant <a href="#">EU RoHS Declaration</a>
Toxic heavy metal free	Yes
Mercury free	Yes
China RoHS Regulation	<a href="#">China RoHS declaration</a>
RoHS exemption information	<a href="#">Yes</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

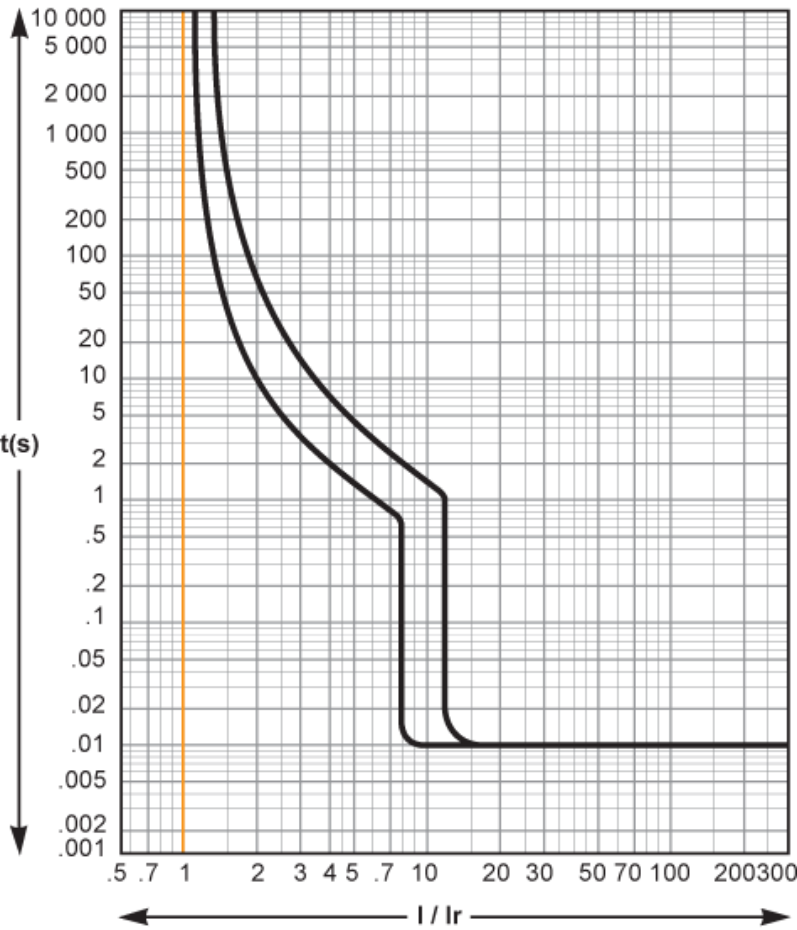
Contractual warranty

Warranty	18 months
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Performance Curves



Recommended replacement(s)