

EZC100N4080

circuit breaker Easypact EZC100N - TMD - 80 A - 4 poles 3d

Main

Device short name	Easypact EZC100N
Circuit breaker application	Distribution
Poles description	4P
Protected poles description	3t
Network type	AC DC
Network frequency	50/60 Hz
[In] rated current	100 A (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	250 V DC conforming to IEC 60947-2 550 V AC 50/60 Hz conforming to IEC 60947-2
Circuit breaker rating code	N
Breaking capacity	HIC 25 kA at 240 V AC 50/60 Hz conforming to NEMA AB1 HIC 10 kA at 277/480 V AC 50/60 Hz conforming to NEMA AB1 Icu 10 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2 Icu 5 kA at 550 V AC 50/60 Hz conforming to IEC 60947-2 Icu 5 kA at 125 V DC 1P conforming to IEC 60947-2 Icu 5 kA at 250 V DC 2P conforming to IEC 60947-2 Icu 25 kA at 110...130 V AC 50/60 Hz conforming to IEC 60947-2 Icu 25 kA at 220...240 V AC 50/60 Hz conforming to IEC 60947-2 Icu 18 kA at 380...400 V AC 50/60 Hz conforming to IEC 60947-2 Icu 15 kA at 415 V AC 50/60 Hz conforming to IEC 60947-2
[Ics] rated service breaking capacity	Ics 2.5 kA 550 V AC 50/60 Hz conforming to IEC 60947-2 Ics 2.5 kA 125 V DC conforming to IEC 60947-2 Ics 2.5 kA 250 V DC conforming to IEC 60947-2 Ics 5 kA 440 V AC 50/60 Hz conforming to IEC 60947-2 Ics 7.5 kA 415 V AC 50/60 Hz conforming to IEC 60947-2 Ics 9 kA 380...400 V AC 50/60 Hz conforming to IEC 60947-2 Ics 12.5 kA 110...130 V AC 50/60 Hz conforming to IEC 60947-2 Ics 12.5 kA 220...240 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 technology	Thermal-magnetic
Trip unit rating	80 A (50 °C)
Protection type	Overload protection Short-circuit protection
Pollution degree	3 conforming to IEC 60947

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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	100 mm
Depth	60 mm

Environment

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
RoHS EUR conformity date	0843
RoHS EUR status	Compliant