

EZC100N1080

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



Main

Device short name	Easypact EZC100N
Circuit breaker application	Distribution
Poles description	1P
Protected poles description	1t
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	125 V DC conforming to IEC 60947-2 415 V AC 50/60 Hz conforming to IEC 60947-2
Circuit breaker rating code	N
Breaking capacity	Icu 2.5 kA at 400...415 V AC 50/60 Hz conforming to IEC 60947-2 Icu 18 kA at 220...240 V AC 50/60 Hz conforming to IEC 60947-2 Icu 2.5 kA at 380 V AC 50/60 Hz conforming to IEC 60947-2 Icu 25 kA at 110...130 V AC 50/60 Hz conforming to IEC 60947-2 Icu 5 kA at 125 V DC 1P conforming to IEC 60947-2 10 kA at 240 V AC 50/60 Hz conforming to NEMA AB1 10 kA at 277/480 V AC 50/60 Hz conforming to NEMA AB1
[Ics] rated service breaking capacity	Ics 1.75 kA 380 V AC 50/60 Hz conforming to IEC 60947-2 Ics 1.75 kA 400/415 V AC 50/60 Hz conforming to IEC 60947-2 Ics 2.5 kA 125 V DC conforming to IEC 60947-2 Ics 9 kA 220/230/240 V AC 50/60 Hz conforming to IEC 60947-2 Ics 10 kA 440 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
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 947-1 3 conforming to IEC 60664-1

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	GB 14048.2 IEC 60947-2 JIS C8201-2-2 NEMA AB1
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
RoHS EUR conformity date	0734
RoHS EUR status	Compliant