

EZCV250N4175

circuit breaker Easypact EZCV250N - TMD -
175 A - 4 poles 4d



Main

Device short name	Easypact EZCV250N
Circuit breaker application	Distribution
Poles description	4P
Protected poles description	3t
Network type	AC
Network frequency	50/60 Hz
[In] rated current	250 A (40 °C)
[Ui] rated insulation voltage	440 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	440 V AC 50/60 Hz conforming to IEC 60947-2
Circuit breaker rating code	N
Breaking capacity	HIC 50 kA at 240 V AC 50/60 Hz conforming to NEMA AB1 Icu 85 kA at 220...240 V AC 50/60 Hz conforming to IEC 60947-2 Icu 25 kA at 380...415 V AC 50/60 Hz conforming to IEC 60947-2 Icu 20 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2
[Ics] rated service breaking capacity	Ics 10 kA 440 V AC 50/60 Hz conforming to IEC 60947-2 Ics 12.5 kA 380...415 V AC 50/60 Hz conforming to IEC 60947-2 Ics 42.5 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	175 A (40 °C)
Protection type	Earth-leakage protection Overload protection Short-circuit protection
Pollution degree	3 conforming to IEC 60947

Complementary

Control type	Toggle
Mounting mode	Fixed
Mounting support	Backplate
Upside connection	Front
Downside connection	Front
Mechanical durability	10000 cycles
Electrical durability	Category A: 5000 cycles 415 V AC 50/60 Hz conforming to IEC 60947-2
Connection pitch	35 mm
Local signalling	Positive contact indication
Neutral protection setting	Without protection
Earth-leakage protection	With
Height	165 mm

Width	140 mm
Depth	68 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	0801
RoHS EUR status	Compliant