

Product data sheet

Specifications



circuit breaker Vigicompact NS250N - TMD - 200 A - 4 poles 3d - 30..10000 mA

31941

❗ Discontinued

Main

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|--|---|
| Range Of Product | Compact NS100...630 |
| Product Or Component Type | Circuit breaker |
| Device Short Name | Compact NS250N |
| Circuit Breaker Name | Vigicompact NS250N |
| Device Application | Distribution |
| Poles Description | 4P |
| Protected Poles Description | 3t |
| Neutral Position | Left |
| Network Type | AC |
| Network Frequency | 50/60 Hz |
| [In] Rated Current | 220 A at 65 °C 250 A at 40 °C |
| [Uij] Rated Insulation Voltage | 750 V AC 50/60 Hz conforming to IEC 60947-2 |
| [Uimp] Rated Impulse Withstand Voltage | 8 kV conforming to IEC 60947-2 |
| [Ue] Rated Operational Voltage | 440 V AC 50/60 Hz conforming to IEC 60947-2 |
| Breaking Capacity Code | N |
| Breaking Capacity | 85 kA at 240 V AC 50/60 Hz conforming to NEMA AB1 HIC 8 kA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 35 kA at 480 V AC 50/60 Hz conforming to NEMA AB1 HIC 85 kA at 240 V AC 50/60 Hz conforming to UL 508 22 kA Icu at 525 V AC 50/60 Hz conforming to IEC 60947-2 35 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 36 kA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 85 kA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 20 kA at 600 V AC 50/60 Hz conforming to NEMA AB1 HIC 35 kA at 480 V AC 50/60 Hz conforming to UL 508 30 kA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2 18 kA at 600 V AC 50/60 Hz conforming to UL 508 |
| [Ics] Rated Service Breaking Capacity | 8 kA at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 35 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2 36 kA at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 85 kA at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 22 kA at 525 V AC 50/60 Hz conforming to IEC 60947-2 30 kA at 500 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 |

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

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| Trip Unit Rating | 200 A at 40 °C |
| Protection Type | Overload protection (thermal) Short-circuit protection (magnetic) Earth-leakage protection |
| Earth-Leakage Add-On Module Name | MH |
| Earth-Leakage Protection | With |
| Pollution Degree | 3 conforming to IEC 60947 |

Complementary

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| Control Type | Toggle |
| Mounting Mode | Fixed |
| Mounting Support | Backplate |
| Upside Connection | Front |
| Downside Connection | Front |
| Mechanical Durability | 20000 cycles |
| Electrical Durability | 10000 cycles 440 V AC 50/60 Hz In conforming to IEC 60947-2 20000 cycles 440 V AC 50/60 Hz In/2 conforming to IEC 60947-2 |
| Connection Pitch | 35 mm |
| Local Signalling | Positive contact indication |
| Neutral Protection Setting | No protection |
| Long Time Pick-Up Adjustment Type Ir | Adjustable |
| Long Time Pick-Up Adjustment Range | 0.8...1 x In |
| Instantaneous Pick-Up Adjustment Type Ii | Adjustable |
| Instantaneous Pick-Up Adjustment Range | 5...10 x In |
| Earth-Leakage Protection Class | Class A |
| Residual Earth-Leakage Sensitivity Adjustment Type | Adjustable |
| [I _{Δn}] Residual Earth-Leakage Sensitive Adjustment | 3 A 1 A 0.3 A 0.03 A 10 A |
| Residual Earth-Leakage Time Delay Adjustment Type | Adjustable |
| Height | 236 mm |
| Width | 105 mm |
| Depth | 86 mm |

Environment

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|---------------------------------------|-------------------------------|
| Standards | IEC 60947-2 |
| Product Certifications | LCIE KEMA ASTA ASEFA |
| Ip Degree Of Protection | IP40 conforming to IEC 60529 |
| Ik Degree Of Protection | IK07 conforming to EN 50102 |
| Ambient Air Temperature For Operation | -25...70 °C |

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| Ambient Air Temperature For Storage | -50...85 °C |
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Contractual warranty

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| Warranty | 18 months |
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