

Product data sheet

Specifications



circuit breaker Compact NS100N - TMD - 50 A - 3 poles 2d

29626

⚠ Discontinued

Main

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| Range Of Product | Compact NS100...630 |
| Product Or Component Type | Circuit breaker |
| Device Short Name | Compact NS100N |
| Circuit Breaker Name | Compact NS100N |
| Device Application | Distribution |
| Poles Description | 3P |
| Protected Poles Description | 2t |
| Network Type | AC DC |
| Network Frequency | 50/60 Hz |
| [In] Rated Current | 100 A at 40 °C 100 A at 65 °C |
| [Ui] 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 | 690 V AC 50/60 Hz conforming to IEC 60947-2 750 V DC 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 10 kA at 600 V AC 50/60 Hz conforming to UL 508 25 kA at 480 V AC 50/60 Hz conforming to UL 508 35 kA at 480 V AC 50/60 Hz conforming to NEMA AB1 HIC 8 kA at 600 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 25 kA Icu at 500 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 |
| [Ics] Rated Service Breaking Capacity | 11 kA at 525 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 4 kA at 660/690 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 12.5 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 | 50 A at 40 °C |
| Protection Type | Overload protection (thermal) Short-circuit protection (magnetic) |
| 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 | 50000 cycles |
| Electrical Durability | 30000 cycles 440 V AC 50/60 Hz In conforming to IEC 60947-2 50000 cycles 440 V AC 50/60 Hz In/2 conforming to IEC 60947-2 |
| Connection Pitch | 35 mm |
| Local Signalling | Positive contact indication |
| Long Time Pick-Up Adjustment Type I_r | Adjustable |
| Long Time Pick-Up Adjustment Range | 0.8...1 x I _n |
| Instantaneous Pick-Up Adjustment Type I_i | Fixed |
| Instantaneous Pick-Up Adjustment Range | 500 A |
| Height | 161 mm |
| Width | 105 mm |
| Depth | 86 mm |

Environment

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|--|-------------------------------|
| Standards | IEC 60947-2 |
| Product Certifications | KEMA LCIE 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 |
| Ambient Air Temperature For Storage | -50...85 °C |

Contractual warranty

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| Warranty | 18 months |
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