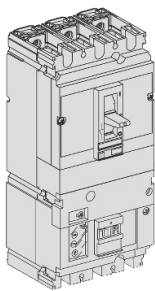


# Product data sheet

Specifications



## circuit breaker Vigicompact NS125E - TMD - 63 A - 3 poles 3d - 30..10000 mA

34673

ⓘ Discontinued

### Main

|                                        |                                                                                                                                                                                                                                                                                                                                                                                                                             |
|----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Range Of Product                       | Compact NS100...630                                                                                                                                                                                                                                                                                                                                                                                                         |
| Product Or Component Type              | Circuit breaker                                                                                                                                                                                                                                                                                                                                                                                                             |
| Device Short Name                      | Compact NS125E                                                                                                                                                                                                                                                                                                                                                                                                              |
| Circuit Breaker Name                   | Vigicompact NS125E                                                                                                                                                                                                                                                                                                                                                                                                          |
| Device Application                     | Distribution                                                                                                                                                                                                                                                                                                                                                                                                                |
| Poles Description                      | 3P                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Protected Poles Description            | 3t                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Network Type                           | AC                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Network Frequency                      | 50/60 Hz                                                                                                                                                                                                                                                                                                                                                                                                                    |
| [In] Rated Current                     | 125 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                 | E                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Breaking Capacity                      | 5 kA at 240 V AC 50/60 Hz conforming to NEMA AB1 HIC<br>5 kA at 480 V AC 50/60 Hz conforming to NEMA AB1 HIC<br>10 kA Icu at 415 V AC 50/60 Hz conforming to IEC 60947-2<br>10 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2<br>16 kA Icu at 380 V AC 50/60 Hz conforming to IEC 60947-2<br>25 kA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2<br>6 kA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2 |
| [Ics] Rated Service Breaking Capacity  | 3 kA at 500 V AC 50/60 Hz conforming to IEC 60947-2<br>5 kA at 415 V AC 50/60 Hz conforming to IEC 60947-2<br>5 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2<br>8 kA at 380 V AC 50/60 Hz conforming to IEC 60947-2<br>12.5 kA at 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 Name                         | TM-D                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Trip Unit Technology                   | Thermal-magnetic                                                                                                                                                                                                                                                                                                                                                                                                            |
| Trip Unit Rating                       | 63 A at 40 °C                                                                                                                                                                                                                                                                                                                                                                                                               |
| Protection Type                        | Overload protection (thermal)<br>Short-circuit protection (magnetic)<br>Earth-leakage protection                                                                                                                                                                                                                                                                                                                            |
| Earth-Leakage Add-On Module Name       | MH                                                                                                                                                                                                                                                                                                                                                                                                                          |

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

|                          |                           |
|--------------------------|---------------------------|
| Earth-Leakage Protection | With                      |
| 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                                          | 6000 cycles 440 V AC 50/60 Hz In conforming to IEC 60947-2<br>6000 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 Ir                           | Fixed                                                                                                                      |
| Long Time Pick-Up Adjustment Range                             | 0.8...1 x In                                                                                                               |
| Instantaneous Pick-Up Adjustment Type Ii                       | Fixed                                                                                                                      |
| Instantaneous Pick-Up Adjustment Range                         | 500 A                                                                                                                      |
| Earth-Leakage Protection Class                                 | Class A                                                                                                                    |
| Residual Earth-Leakage Sensitivity Adjustment Type             | Adjustable                                                                                                                 |
| [I <sub>Δn</sub> ] Residual Earth-Leakage Sensitive Adjustment | 10 A<br>0.03 A<br>0.3 A<br>3 A<br>1 A                                                                                      |
| Residual Earth-Leakage Time Delay Adjustment Type              | Adjustable                                                                                                                 |
| Height                                                         | 236 mm                                                                                                                     |
| Width                                                          | 105 mm                                                                                                                     |
| Depth                                                          | 86 mm                                                                                                                      |

## Environment

|                                       |                               |
|---------------------------------------|-------------------------------|
| Standards                             | IEC 60947-2                   |
| Product Certifications                | KEMA<br>ASTA<br>LCIE<br>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

|          |           |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|