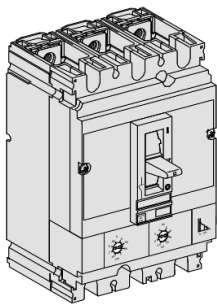


# Product data sheet

Specifications



## circuit breaker Compact NS100 SX - 100 A - 4 poles - fixed - without trip unit

29011

ⓘ Discontinued

### Main

|                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Range Of Product                       | NS100...250                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Product Or Component Type              | Basic frame                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Device Short Name                      | Compact NS100SX                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Circuit Breaker Name                   | Compact NS100SX                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Poles Description                      | 4P                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Neutral Position                       | Left                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Network Type                           | DC<br>AC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Network Frequency                      | 50/60 Hz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Control Type                           | Toggle                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| [In] Rated Current                     | 100 A at 40 °C<br>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<br>750 V DC conforming to IEC 60947-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Breaking Capacity Code                 | SX                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Breaking Capacity                      | 10 kA at 600 V AC 50/60 Hz conforming to UL 508<br>85 kA at 240 V AC 50/60 Hz conforming to UL 508<br>10 kA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2<br>35 kA Icu at 525 V AC 50/60 Hz conforming to IEC 60947-2<br>20 kA at 600 V AC 50/60 Hz conforming to NEMA AB1 HIC<br>50 kA at 480 V AC 50/60 Hz conforming to NEMA AB1 HIC<br>50 kA at 480 V AC 50/60 Hz conforming to UL 508<br>90 kA at 240 V AC 50/60 Hz conforming to NEMA AB1 HIC<br>36 kA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2<br>50 kA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2<br>50 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2<br>90 kA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 |
| [Ics] Rated Service Breaking Capacity  | 5 kA at 660/690 V AC 50/60 Hz conforming to IEC 60947-2<br>17.5 kA at 525 V AC 50/60 Hz conforming to IEC 60947-2<br>18 kA at 500 V AC 50/60 Hz conforming to IEC 60947-2<br>50 kA at 380/415 V AC 50/60 Hz conforming to IEC 60947-2<br>50 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2<br>90 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Pollution Degree                       | 3 conforming to IEC 60947                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

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

## Complementary

|                       |                                                                                                                              |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------|
| Mounting Mode         | Fixed                                                                                                                        |
| Mounting Support      | Backplate                                                                                                                    |
| Upside Connection     | Front                                                                                                                        |
| Downside Connection   | Front                                                                                                                        |
| Protection Type       | Without protection                                                                                                           |
| Mechanical Durability | 50000 cycles conforming to IEC 60947-2                                                                                       |
| Electrical Durability | 30000 cycles 440 V AC 50/60 Hz In conforming to IEC 60947-2<br>50000 cycles 440 V AC 50/60 Hz In/2 conforming to IEC 60947-2 |
| Connection Pitch      | 35 mm                                                                                                                        |
| Height                | 161 mm                                                                                                                       |
| Width                 | 140 mm                                                                                                                       |
| Depth                 | 86 mm                                                                                                                        |

## Environment

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

## Packing Units

|                              |     |
|------------------------------|-----|
| Unit Type Of Package 1       | PCE |
| Number Of Units In Package 1 | 1   |

## Contractual warranty

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