

# C16S3

Circuit breaker basic frame, ComPacT  
NSX160S, 100kA/415VAC, 3 poles, 160A  
frame rating, without trip unit



## Main

|  |  |
|--|--|
| Range  | ComPacT new generation   |
| Product name   | ComPacT NSX new generation   |
| Device short name                                    | NSX160S  |
| Product or component type                            | Basic frame  |
| Device application                                   | Distribution   |
| Poles description                                    | 3P   |
| [In] rated current                                   | 160 A at 40 °C   |
| [Ue] rated operational voltage                       | 690 V AC 50/60 Hz conforming to IEC 60947-2  |
| Network type   | AC   |
| Network frequency                                    | 50/60 Hz   |
| Suitability for isolation                            | Yes conforming to EN/IEC 60947-2   |
| Utilisation category                                 | Category A   |
| [Icu] rated ultimate short-circuit breaking capacity | 100 KA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2<br>120 KA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2<br>15 KA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2<br>40 KA Icu at 525 V AC 50/60 Hz conforming to IEC 60947-2<br>65 KA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2<br>90 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 |
| Performance level                                    | S 100 kA 415 V AC  |
| Control type   | Toggle   |
| Mounting mode  | Fixed  |

## Complementary

|   |  |
|---|--|
| [Ui] rated insulation voltage                       | 800 V AC 50/60 Hz conforming to IEC 60947-2  |
| [Uimp] rated impulse withstand voltage              | 8 kV conforming to IEC 60947-2   |
| [Ics] rated service short-circuit breaking capacity | 100 KA at 380/415 V AC 50/60 Hz conforming to IEC 60947-2<br>120 KA at 220/240 V AC 50/60 Hz conforming to IEC 60947-2<br>15 KA at 660/690 V AC 50/60 Hz conforming to IEC 60947-2<br>40 KA at 525 V AC 50/60 Hz conforming to IEC 60947-2<br>65 KA at 500 V AC 50/60 Hz conforming to IEC 60947-2<br>90 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2 |
| Mechanical durability                               | 40000 cycles conforming to IEC 60947-2   |
| Electrical durability                               | 40000 Cycles 440 V AC 50/60 Hz In/2 conforming to IEC 60947-2<br>15000 Cycles 690 V AC 50/60 Hz In/2 conforming to IEC 60947-2<br>20000 Cycles 440 V AC 50/60 Hz In conforming to IEC 60947-2<br>7500 cycles 690 V AC 50/60 Hz In conforming to IEC 60947-2  |
| Mounting support                                    | Backplate  |
| Upside connection                                   | Front  |
| Downside connection                                 | Front  |
| Connection pitch                                    | 35 mm  |
| Protection type                                     | Without protection   |
| Width (W)   | 105 mm   |
| Height (H)  | 161 mm   |
| Depth (D)   | 86 mm  |

## Environment

|                                       |                              |
|---------------------------------------|------------------------------|
| Standards                             | EN/IEC 60947-2<br>UL 508     |
| Product certifications                | UL<br>CSA                    |
| Pollution degree                      | 3 conforming to IEC 60664-1  |
| IP degree of protection               | IP40 conforming to IEC 60529 |
| IK degree of protection               | IK07 conforming to IEC 62262 |
| 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        |
| Package 1 Weight             | 1.502 kg |
| Package 1 Height             | 14 cm    |
| Package 1 width              | 11 cm    |
| Package 1 Length             | 19.5 cm  |
| Unit Type of Package 2       | S03      |
| Number of Units in Package 2 | 7        |
| Package 2 Weight             | 10.88 kg |
| Package 2 Height             | 30 cm    |
| Package 2 width              | 30 cm    |
| Package 2 Length             | 40 cm    |

## Offer Sustainability

|                            |   |
|----------------------------|---|
| REACH Regulation           | <a href="#">REACH Declaration</a>             |
| EU RoHS Directive          | Compliant <a href="#">EU RoHS Declaration</a> |
| Mercury free               | Yes   |
| RoHS exemption information | <a href="#">Yes</a>                           |
| China RoHS Regulation      | <a href="#">China RoHS Declaration</a>        |