

## Product data sheet

### Characteristics

# C1642D160

Trip unit MicroLogic 2.2, ComPacT  
NSX160/250, 4 poles, electronic basic  
protections, 160A rating



### Main

|                                |  |
|--------------------------------|--|
| Range                          | ComPacT new generation   |
| Range of product               | ComPacT NSX100...250 new generation  |
| Product or component type      | Trip unit  |
| Trip unit name                 | Micrologic 2.2   |
| Trip unit technology           | Electronic   |
| Range compatibility            | ComPacT new generation NSX160<br>ComPacT new generation NSX250   |
| Device application             | Distribution   |
| Poles description              | 4P   |
| Protected poles description    | 3D + N/2<br>4D<br>3D   |
| Neutral position               | Left   |
| Trip unit protection functions | LSol   |
| Protection type                | L : for overload protection (long time)<br>So : for short time short-circuit protection with fixed delay<br>I : for instantaneous short-circuit protection |
| Trip unit rating               | 160 A at 40 °C   |
| [Ue] rated operational voltage | 690 V AC 50/60 Hz  |
| Network type                   | AC   |
| Network frequency              | 50/60 Hz   |
| Circuit breaker mounting mode  | Fixed  |

### Complementary

|   |  |
|---|--|
| Long-time pick-up adjustment type Ir (thermal protection) | Adjustable 9 settings                                    |
| [Ir] long-time protection pick-up adjustment range        | 63...160 A   |
| Long-time protection delay adjustment type tr             | Fixed  |
| [tr] long-time protection delay adjustment range          | 11 S at 7.2 x Ir<br>16 S at 6 x Ir<br>400 s at 1.5 x Ir  |
| Neutral protection settings                               | 0.5 x Ir (3D + N/2)<br>1 x Ir (4D)<br>No protection (3D) |
| Thermal memory  | 20 minutes before and after tripping                     |
| Short-time protection pick-up adjustment type Isd         | Adjustable 9 settings                                    |
| [Isd] Short-time protection pick-up adjustment range      | 1.5...10 x Ir  |
| Short-time protection delay adjustment type tsd           | Fixed  |
| Instantaneous protection pick-up adjustment type Ii       | Fixed  |
| [Ii] instantaneous protection pick-up adjustment range    | 2400 A   |
| Earth-leakage protection                                  | Without  |

|                                 |   |
|---------------------------------|---|
| Zone selective interlocking ZSI | Without   |
| Local signalling                | Flashing LED (green) for ready to operate<br>LED 105 % Ir (red) for overload<br>LED 90 % Ir (orange) for overload |





## Environment

|                                       |                              |
|---------------------------------------|------------------------------|
| Standards                             | EN/IEC 60947-2               |
| Electrical shock protection class     | Class II                     |
| Pollution degree                      | 3 conforming to IEC 60947-1  |
| IP degree of protection               | IP40 conforming to IEC 60529 |
| 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 Height             | 6.5 cm   |
| Package 1 Width              | 9.5 cm   |
| Package 1 Length             | 15 cm    |
| Package 1 Weight             | 563 g    |
| Unit Type of Package 2       | S03      |
| Number of Units in Package 2 | 18       |
| Package 2 Height             | 30 cm    |
| Package 2 Width              | 30 cm    |
| Package 2 Length             | 40 cm    |
| Package 2 Weight             | 10.62 kg |
| Unit Type of Package 3       | P06      |
| Number of Units in Package 3 | 144      |
| Package 3 Height             | 75 cm    |
| Package 3 Width              | 60 cm    |
| Package 3 Length             | 80 cm    |
| Package 3 Weight             | 93 kg    |

## 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>        |