

# C1042D100

Trip unit MicroLogic 2.2, ComPacT  
NSX100/160/250, 4 poles, electronic basic  
protections, 100A 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 NSX100<br>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               | 100 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        | 40...100 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 li       | Fixed                                                    |
| [li] instantaneous protection pick-up adjustment range    | 1500 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             | 568 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             | 10.694 kg |
| Unit Type of Package 3       | P06       |
| Number of Units in Package 3 | 144       |
| Package 3 Height             | 74 cm     |
| Package 3 Width              | 80 cm     |
| Package 3 Length             | 60 cm     |
| Package 3 Weight             | 94 kg     |

## Offer Sustainability

|                            |                                                                                                                                   |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status   | Green Premium product                                                                                                             |
| REACH Regulation           |  <a href="#">REACH Declaration</a>             |
| EU RoHS Directive          | Compliant with Exemptions                                                                                                         |
| Mercury free               | Yes                                                                                                                               |
| China RoHS Regulation      |  <a href="#">China RoHS Declaration</a>        |
| RoHS exemption information |  <a href="#">Yes</a>                           |
| Environmental Disclosure   |  <a href="#">Product Environmental Profile</a> |
| Circularity Profile        |  <a href="#">End Of Life Information</a>       |