

## Product data sheet

### Characteristics

## C1035Z100

Trip unit MicroLogic 5.2AZ, ComPacT  
NSX100/160/250, 3 poles, electronic basic  
protections, special applications, 100A



### Main

|                                |                                                                                                                                          |
|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| Range                          | ComPacT new generation                                                                                                                   |
| Range of product               | ComPacT NSX100...250 new generation                                                                                                      |
| Product or component type      | Trip unit                                                                                                                                |
| Trip unit name                 | Micrologic 5.2 A-Z                                                                                                                       |
| Trip unit technology           | Electronic                                                                                                                               |
| Range compatibility            | ComPacT new generation NSX100<br>ComPacT new generation NSX160<br>ComPacT new generation NSX250                                          |
| Device application             | 16 Hz 2/3 networks                                                                                                                       |
| Poles description              | 3P                                                                                                                                       |
| Protected poles description    | 3D                                                                                                                                       |
| Trip unit protection functions | LSI                                                                                                                                      |
| Protection type                | L : for overload protection (long time)<br>S : for short time short-circuit protection<br>I : for instantaneous short-circuit protection |
| Trip unit rating               | 100 A at 40 °C                                                                                                                           |
| [Ue] rated operational voltage | 250/500 V AC 16 Hz 2/3                                                                                                                   |
| 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             | Adjustable                                                                                                        |
| [tr] long-time protection delay adjustment range          | 15...400 S at 1.5 x Ir<br>0.35...11 S at 7.2 x Ir<br>0.5...16 s at 6 x Ir                                         |
| 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           | Adjustable                                                                                                        |
| [tsd] Short-time protection delay adjustment range        | 0...0.4 S I <sup>2</sup> t=off<br>0.1...0.4 s I <sup>2</sup> t=on                                                 |
| Instantaneous protection pick-up adjustment type Ii       | Adjustable                                                                                                        |
| [Ii] instantaneous protection pick-up adjustment range    | 1.5...12 x In                                                                                                     |
| Earth-leakage protection                                  | Without                                                                                                           |
| Zone selective interlocking ZSI                           | With                                                                                                              |
| Local signalling                                          | Flashing LED (green) for ready to operate<br>LED 105 % Ir (red) for overload<br>LED 90 % Ir (orange) for overload |
| Display type                                              | LCD display                                                                                                       |
| Type of measurement                                       | Ammeter                                                                                                           |

|                           |                                                                                                                                                                                                                                |
|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Communication of data     | Energy metering<br>Protection and alarm settings<br>Time-stamped histories and event tables<br>Instantaneous and demand values<br>Maintenance indicators<br>Demand current and power<br>Power quality<br>Maximeters/minimeters |
| Electrical data recording | Maintenance indicators                                                                                                                                                                                                         |

## 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   | -40...85 °C                  |

## Packing Units

|                              |         |
|------------------------------|---------|
| Unit Type of Package 1       | PCE     |
| Number of Units in Package 1 | 1       |
| Package 1 Height             | 9.0 cm  |
| Package 1 Width              | 11.0 cm |
| Package 1 Length             | 15.0 cm |
| Package 1 Weight             | 547.0 g |

## 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>        |