

# C1036E100

Trip unit MicroLogic 6.2E, ComPacT  
NSX100/160/250, 3 poles, basic and ground  
fault protections, energy meter, 100A



## Main

|                                |   |
|--------------------------------|---|
| Range                          | ComPacT new generation  |
| Range of product               | ComPacT NSX100...250 new generation   |
| Product or component type      | Trip unit   |
| Trip unit name                 | MicroLogic 6.2 E  |
| 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              | 3P  |
| Protected poles description    | 3D  |
| Trip unit protection functions | LSIG  |
| Protection type                | L : for overload protection (long time)<br>S : for short time short-circuit protection<br>I : for instantaneous short-circuit protection<br>G : for ground fault 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             | 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...15 x In  |
| Ground-fault protection pick-up adjustment type Ig        | Adjustable   |
| [Ig] ground-fault protection pick-up adjustment range     | 0.4...1 x In for In = 40 A<br>0.2...1 x In for In > 40 A<br>Ig enable on/off |
| Ground-fault protection time delay adjustment type tg     | Adjustable   |

|  |  |
|--|--|
| [tg] ground-fault protection time 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  |
| Earth-leakage protection                                 | Without  |
| Zone selective interlocking ZSI                          | With   |
| Local signalling   | Flashing LED (green) for ready to operate<br>LED 105 % I <sub>r</sub> (red) for overload<br>LED 90 % I <sub>r</sub> (orange) for overload  |
| Display type   | LCD display  |
| Type of measurement                                      | Energy meter   |
| 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             | 9.5 cm   |
| Package 1 Width              | 11.0 cm  |
| Package 1 Length             | 15.0 cm  |
| Package 1 Weight             | 562.0 g  |
| Unit Type of Package 2       | S03      |
| Number of Units in Package 2 | 11       |
| Package 2 Height             | 30.0 cm  |
| Package 2 Width              | 30.0 cm  |
| Package 2 Length             | 40.0 cm  |
| Package 2 Weight             | 6.646 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>       |