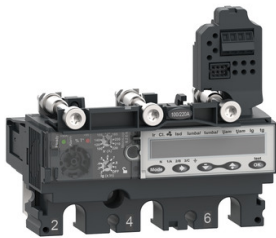


# Product datasheet

Specifications



trip unit MicroLogic 6.2 EM for ComPacT NSX 160/250 circuit breakers. electronic. rating 150 A. 3 poles 3d

C1636M150

Price: 6,360.85 ZAR

## 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-M                                                                                                                                                                           |
| Trip Unit Technology           | Electronic                                                                                                                                                                                   |
| Range Compatibility            | ComPacT new generation NSX160<br>ComPacT new generation NSX250                                                                                                                               |
| Device Application             | Motor                                                                                                                                                                                        |
| 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 with fixed delay<br>I : for instantaneous short-circuit protection<br>G : for ground fault protection |
| Trip Unit Rating               | 150 A at 65 °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

|                                                           |                                                                             |
|-----------------------------------------------------------|-----------------------------------------------------------------------------|
| Motor Tripping Class                                      | 10<br>30<br>5<br>20                                                         |
| Complementary Motor Protection                            | Protracted starting time<br>Stalled rotor<br>Current unbalance<br>Underload |
| Long-Time Pick-Up Adjustment Type Ir (Thermal Protection) | Adjustable 9 settings                                                       |
| [Ir] Long-Time Protection Pick-Up Adjustment Range        | 70...150 A                                                                  |
| Long-Time Protection Delay Adjustment Type Tr             | Adjustable                                                                  |

Excluding VAT and subject to change. Please check with your local distributor through "Where to buy"

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

|                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| [Tr] Long-Time Protection Delay Adjustment Range         | 120 s at 1.5 x Ir for trip class 5<br>6.5 s at 6 x Ir for trip class 5<br>5 s at 7.2 x Ir for trip class 5<br>240 s at 1.5 x Ir for trip class 10<br>13.5 s at 6 x Ir for trip class 10<br>10 s at 7.2 x Ir for trip class 10<br>480 s at 1.5 x Ir for trip class 20<br>26 s at 6 x Ir for trip class 20<br>20 s at 7.2 x Ir for trip class 20<br>720 s at 1.5 x Ir for trip class 30<br>38 s at 6 x Ir for trip class 30<br>30 s at 7.2 x Ir for trip class 30 |
| 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     | 5...13 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   | 2250 A                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Ground-Fault Protection Pick-Up Adjustment Type Ig       | Adjustable                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| [Ig] Ground-Fault Protection Pick-Up Adjustment Range    | 0.2...1 x In for In = 50 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                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Earth-Leakage Protection                                 | Without                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Zone Selective Interlocking Zsi                          | With                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Local Signalling                                         | Flashing LED (green) for ready to operate<br>LED 95 % Ith (red) for temperature over set point                                                                                                                                                                                                                                                                                                                                                                  |
| 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             | 538.0 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             | 6.306 kg |

Sustainability



**Green Premium™ label** is Schneider Electric’s commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> products.

**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

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[Guide to assess a product’s sustainability >](#)



Transparency   RoHS/REACH

## Well-being performance

 Mercury Free

 RoHS Exemption Information   [Yes](#)

## Certifications & Standards

|                          |                                                                                                                       |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------|
| Reach Regulation         | <a href="#">REACH Declaration</a>                                                                                     |
| Eu Rohs Directive        | Compliant with Exemptions                                                                                             |
| China Rohs Regulation    | <a href="#">China RoHS declaration</a><br>Product out of China RoHS scope. Substance declaration for your information |
| Environmental Disclosure | <a href="#">Product Environmental Profile</a>                                                                         |
| Circularity Profile      | <a href="#">End of Life Information</a>                                                                               |