

# Product datasheet

Specifications



trip unit MicroLogic 7.0 A.  
ComPact NS630b to NS3200  
fixed. selective and earth-leakage  
protections

33514

⚠ To be discontinued

⚠ Discontinued on: 31 Mar 2024

Price: 28,552.00 ZAR

## Main

|                                |                                                                                                                                                              |
|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Range                          | ComPacT                                                                                                                                                      |
| Range Of Product               | ComPacT NS630b...1600 new generation                                                                                                                         |
| Product Or Component Type      | Trip unit                                                                                                                                                    |
| Trip Unit Name                 | MicroLogic 7.0 A                                                                                                                                             |
| Trip Unit Technology           | Electronic                                                                                                                                                   |
| Range Compatibility            | ComPacT new generation NS630b...1600                                                                                                                         |
| Device Application             | Distribution                                                                                                                                                 |
| Number Of Poles                | 3P<br>4P                                                                                                                                                     |
| Protected Poles Description    | 3t<br>3t + N/2<br>4t                                                                                                                                         |
| Trip Unit Protection Functions | Selective + earth-leakage protection                                                                                                                         |
| Protection Type                | for overload protection (long time)<br>for short time short-circuit protection<br>for instantaneous short-circuit protection<br>for earth-leakage protection |
| Trip Unit Rating               | 630 A at 50 °C<br>800 A at 50 °C<br>1000 A at 50 °C<br>1250 A at 50 °C<br>1600 A at 50 °C<br>2000 A at 50 °C<br>2500 A at 50 °C<br>3200 A at 50 °C           |
| 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        | 0.4...1 x In                                                                 |
| Long-Time Protection Delay Adjustment Type Tr             | Adjustable 9 settings                                                        |
| [Tr] Long-Time Protection Delay Adjustment Range          | 0.7...16.6 s at 7.2 x Ir<br>0.7...24 s at 6 x Ir<br>12.5...600 s at 1.5 x Ir |

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

|                                                             |                                                                     |
|-------------------------------------------------------------|---------------------------------------------------------------------|
| Thermal Memory                                              | 20 mn                                                               |
| 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 9 settings                                               |
| [Ii] Instantaneous Protection Pick-Up Adjustment Range      | Off<br>2...15 x In                                                  |
| Earth-Leakage Protection                                    | Integrated                                                          |
| Earth-Leakage Protection Sensitivity Adjustment Type Iōn    | Adjustable 9 settings                                               |
| [Iōn] Earth-Leakage Protection Sensitivity Adjustment Range | 0.5...30 A                                                          |
| Earth-Leakage Sensitivity                                   | 10 A for class A<br>30 A for class AC                               |
| Earth-Leakage Protection Time Delay Adjustment Type Δt      | Adjustable 5 settings                                               |
| [Δt] Earth-Leakage Protection Time Delay Adjustment Range   | 60...800 ms                                                         |
| Zone Selective Interlocking Zsi                             | With                                                                |
| Local Signalling                                            | 3 LEDs (red) for electrical fault<br>1 LED (red) for internal error |
| Display Type                                                | Digital display                                                     |
| Type Of Measurement                                         | Ammeter                                                             |
| Communication Of Data                                       | Measurement readout<br>Protection and alarm settings                |

## Environment

|                                       |             |
|---------------------------------------|-------------|
| 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             | 8.0 cm  |
| Package 1 Width              | 22.0 cm |
| Package 1 Length             | 7.0 cm  |
| Package 1 Weight             | 328.0 g |

## Contractual warranty

|          |           |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|

Sustainability



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Transparency   RoHS/REACH

## Well-being performance

|                                                                                                              |     |
|--------------------------------------------------------------------------------------------------------------|-----|
|  Mercury Free               |     |
|  Rohs Exemption Information | Yes |
|  Pvc Free                   |     |

## 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>                                                                               |