# 33540
Micrologic 6.0 E for Compact NS630b to 1600 drawout

Green Premium™ Product



## Main

| | |
|---|---|
| Range | ComPact |
| Range of product | ComPact NS630b...1600 |
| Product or component type | Trip unit |
| Trip unit name | Micrologic 6.0 E |
| Trip unit technology | Electronic |
| Range compatibility | ComPact NS630b...1600 |
| Device application | Distribution |
| Number of poles | 3P<br>4P |
| Protected poles description | 3t<br>4t<br>3t + N/2 |
| Trip unit protection functions | Selective + earth-fault protection |
| Protection type | For overload protection (long time)<br>For short time short-circuit protection<br>For instantaneous short-circuit protection<br>For earth fault |
| 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 |
| Network type | AC |
| Network frequency | 50/60 Hz |
| Circuit breaker mounting mode | Drawout |

## Complementary

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|---|---|
| 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 |
| 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 I²t=off<br>0.1…0.4 s I²t=on |
| Instantaneous protection pick-up adjustment type Ii | Adjustable 9 settings |
| [Ii] instantaneous protection pick-up adjustment range | Off<br>2...15 x In |
| Ground-fault protection pick-up adjustment type Ig | Adjustable 9 settings |
| [Ig] ground-fault protection pick-up adjustment range | 0.2...1 x In for 400 A < In < 1250 A<br>0.3...1 x In for In <= 400 A<br>500...1200 A for In >= 1250 A |
| Ground-fault protection time delay adjustment type tg | Adjustable |
| [tg] ground-fault protection time delay adjustment range | 0…0.4 S I²t=off<br>0.1…0.4 s I²t=on |

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|---|---|
| Earth-leakage protection | Without |
| 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 | Energy meter |
| Communication of data | Measurement readout<br>Protection and alarm settings |

## Environment

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|---|---|
| Ambient air temperature for operation | -25…70 °C |
| Ambient air temperature for storage | -40…85 °C |

## Packing Units

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| Package 1 Weight | 0.368 kg |
| Package 1 Height | 0.680 dm |
| Package 1 width | 0.800 dm |
| Package 1 Length | 2.150 dm |

## Offer Sustainability

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|---|---|
| Sustainable offer status | Green Premium product |
| REACh Regulation | REACh Declaration |
| EU RoHS Directive | Compliant  EU RoHS Declaration |
| Mercury free | Yes |
| RoHS exemption information | Yes |
| China RoHS Regulation | China RoHS Declaration |
| Environmental Disclosure | Product Environmental Profile |
| PVC free | Yes |

## Contractual warranty

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

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