

Product datasheet

Specifications



trip unit MicroLogic 6.3 E for
ComPacT NSX 400/630 circuit
breakers, electronic, rating 400A, 4
poles 4d

C4046E400

Main

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|--------------------------------|---|
| Range | ComPacT new generation |
| Range of product | ComPacT NSX400...630 new generation |
| Product or component type | Control unit |
| Trip unit name | Micrologic 6.3 E |
| Trip unit technology | Electronic |
| Range compatibility | ComPacT new generation NSX400 ComPacT new generation NSX630 |
| Device application | Generator Distribution |
| Poles description | 4P |
| Protected poles description | 3t 4t 3t + N/2 3t + OSN |
| Neutral position | Left |
| Trip unit protection functions | LSIG |
| Protection type | L : for overload protection (long time) S : for short time short-circuit protection I : for instantaneous short-circuit protection G : for ground fault protection |
| Trip unit rating | 400 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

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|---|---|
| Long-time pick-up adjustment type I _r (thermal protection) | Adjustable |
| [I _r] long-time protection pick-up adjustment range | 160...400 A |
| Long-time protection delay adjustment type t _r | Adjustable |
| [T _r] long-time protection delay adjustment range | 15...400 s at 1.5 x I _r 0.35...11 s at 7.2 x I _r 0.5...16 s at 6 x I _r |

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|--|--|
| Thermal memory | 20 minutes before and after tripping |
| Short-time protection pick-up adjustment type Isd | Adjustable |
| [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 ² t=off 0.1...0.4 s I ² t=on |
| Instantaneous protection pick-up adjustment type li | Adjustable |
| [li] instantaneous protection pick-up adjustment range | 1.5...11 x In Compact NSX630 1.5...12 x In Compact NSX400 |
| Ground-fault protection pick-up adjustment type Ig | Adjustable |
| [Ig] ground-fault protection pick-up adjustment range | 0.2...1 x In |
| Ground-fault protection time delay adjustment type tg | Adjustable |
| Earth-leakage protection | Without |
| Neutral protection settings | 0.5 x Ir (3t + N/2) 1 x Ir (4t) 1.6 x Ir (3t + OSN) No protection (3t) |
| Zone selective interlocking ZSI | With |
| Local signalling | Flashing LED (green) for ready to operate LED 105 % Ir (red) for overload LED 90 % Ir (orange) for overload |
| Display type | LCD display |
| Type of measurement | Energy meter |
| Communication of data | Maximeters/minimeters Protection and alarm settings Demand current and power Maintenance indicators Power quality Instantaneous and demand values Time-stamped histories and event tables Energy metering |
| Electrical data recording | Maintenance indicators |

Environment

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|---------------------------------------|------------------------------|
| Standards | UL 508 EN/IEC 60947-2 |
| Product certifications | EAC CCC Marine |
| 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

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|------------------------------|----------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Weight | 1.826 kg |

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|------------------------------|----------|
| Package 1 Height | 13.5 cm |
| Package 1 width | 17.5 cm |
| Package 1 Length | 21.5 cm |
| Unit Type of Package 2 | S03 |
| Number of Units in Package 2 | 4 |
| Package 2 Weight | 7.755 kg |
| Package 2 Height | 30 cm |
| Package 2 width | 30 cm |
| Package 2 Length | 40 cm |
| Package 3 Height | 150 cm |

Offer Sustainability

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|----------------------------|---|
| REACH Regulation | REACH Declaration |
| EU RoHS Directive | Compliant EU RoHS Declaration |
| Mercury free | Yes |
| RoHS exemption information | Yes |
| China RoHS Regulation | China RoHS declaration Product out of China RoHS scope. Substance declaration for your information |

Contractual warranty

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| Warranty | 18 months |
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