

Product data sheet

Characteristics

C2546E250

Trip unit MicroLogic 6.2E, ComPacT NSX250,
4 poles, electronic basic and ground fault
protections, energy meter, 250A



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 NSX250 |
| Device application | Distribution |
| Poles description | 4P |
| Protected poles description | 3D + N/2 4D 3D + OSN 3D |
| 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 | 250 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 Ir (thermal protection) | Adjustable 9 settings |
| [Ir] long-time protection pick-up adjustment range | 100...250 A |
| Long-time protection delay adjustment type tr | Adjustable |
| [tr] long-time protection delay adjustment range | 15...400 S at $1.5 \times Ir$ 0.35...11 S at $7.2 \times Ir$ 0.5...16 s at $6 \times Ir$ |
| Neutral protection settings | $0.5 \times Ir$ (3D + N/2) $1 \times Ir$ (4D) $1.6 \times Ir$ (3D + OSN) No protection (3D) |
| 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 $\times Ir$ |
| Short-time protection delay adjustment type tsd | Adjustable |
| [tsd] Short-time protection delay adjustment range | 0...0.4 S $I^2t=off$ 0.1...0.4 s $I^2t=on$ |
| Instantaneous protection pick-up adjustment type li | Adjustable |
| [li] instantaneous protection pick-up adjustment range | 1.5...12 $\times In$ |
| Ground-fault protection pick-up adjustment type lg | Adjustable |

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| [Ig] ground-fault protection pick-up adjustment range | 0.4...1 x In for In = 40 A 0.2...1 x In for In > 40 A 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 ² t=off 0.1...0.4 s I ² t=on |
| Earth-leakage protection | Without |
| 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 | Energy metering Protection and alarm settings Time-stamped histories and event tables Instantaneous and demand values Maintenance indicators Demand current and power Power quality Maximeters/minimeters |
| Electrical data recording | Maintenance indicators |

Environment

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|---------------------------------------|------------------------------|
| 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

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|------------------------------|----------|
| 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 | 660.0 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 | 7.706 kg |

Offer Sustainability

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|----------------------------|---|
| Sustainable offer status | Green Premium product |
| REACH Regulation |  REACH Declaration |
| EU RoHS Directive | Compliant with Exemptions |
| Mercury free | Yes |
| China RoHS Regulation |  China RoHS Declaration |
| RoHS exemption information |  Yes |
| Environmental Disclosure |  Product Environmental Profile |
| Circularity Profile |  End Of Life Information |