

C1036M080

Trip unit MicroLogic 6.2EM, ComPacT
NSX100-250, 3 poles, basic and ground fault
protections, motor, energy meter, 80A



Main

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| 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 NSX100 ComPacT new generation NSX160 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) S : for short time short-circuit protection with fixed delay I : for instantaneous short-circuit protection G : for ground fault protection |
| Trip unit rating | 80 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

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| Motor tripping class | 10 30 5 20 |
| Complementary motor protection | Protracted starting time Stalled rotor Current unbalance Underload |
| Long-time pick-up adjustment type Ir (thermal protection) | Adjustable 9 settings |
| [Ir] long-time protection pick-up adjustment range | 35...80 A |
| Long-time protection delay adjustment type tr | Adjustable |
| [tr] long-time protection delay adjustment range | 120 S at 1.5 x Ir for trip class 5 6.5 S at 6 x Ir for trip class 5 5 S at 7.2 x Ir for trip class 5 240 S at 1.5 x Ir for trip class 10 13.5 S at 6 x Ir for trip class 10 10 S at 7.2 x Ir for trip class 10 480 S at 1.5 x Ir for trip class 20 26 S at 6 x Ir for trip class 20 20 S at 7.2 x Ir for trip class 20 720 s at 1.5 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 |

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| [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 li | Fixed |
| [li] instantaneous protection pick-up adjustment range | 1200 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 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 LED 95 % Ith (red) for temperature over set point |
| 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 | 9.8 cm |
| Package 1 Width | 11.0 cm |
| Package 1 Length | 15.0 cm |
| Package 1 Weight | 540.0 g |
| Unit Type of Package 2 | S03 |
| Number of Units in Package 2 | 11 |
| Package 2 Height | 30 cm |
| Package 2 Width | 30 cm |
| Package 2 Length | 40 cm |
| Package 2 Weight | 6.391 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 |

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| Environmental Disclosure |  Product Environmental Profile |
| Circularity Profile |  End Of Life Information |