

Product data sheet

Characteristics

C6336M500

Trip unit MicroLogic 6.3EM, ComPacT
NSX630, 3 poles, basic and ground fault
protections, motor, energy meter, 500A



Main

| | |
|--------------------------------|--|
| Range | ComPacT new generation |
| Range of product | ComPacT NSX400...630 new generation |
| Product or component type | Trip unit |
| Trip unit name | MicroLogic 6.3 E-M |
| Trip unit technology | Electronic |
| Range compatibility | ComPacT new generation NSX630 |
| 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 | 500 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

| | |
|---|---|
| Motor tripping class | 5 10 30 20 |
| Complementary motor protection | Current unbalance Protracted starting time Stalled rotor Underload |
| Long-time pick-up adjustment type Ir (thermal protection) | Adjustable |
| [Ir] long-time protection pick-up adjustment range | 250...500 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 38 S at 6 x Ir for trip class 30 30 s at 7.2 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 |
| [Ii] instantaneous protection pick-up adjustment range | 6500 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 % lth (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

| | |
|---------------------------------------|------------------------------|
| 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 | 13.5 cm |
| Package 1 Width | 17.8 cm |
| Package 1 Length | 215 cm |
| Package 1 Weight | 1.46 kg |
| Unit Type of Package 2 | S03 |
| Number of Units in Package 2 | 4 |
| Package 2 Height | 30 cm |
| Package 2 Width | 30 cm |
| Package 2 Length | 40 cm |
| Package 2 Weight | 6.29 kg |

Offer Sustainability

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