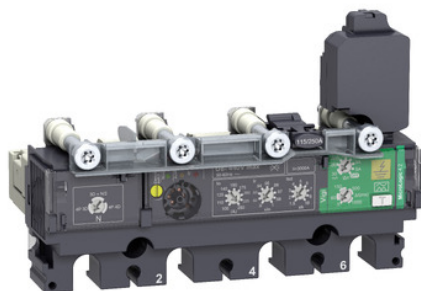


C1644V160

Trip unit MicroLogic Vigi 4.2, ComPacT
NSX160/250, 4 poles, electronic basic and
earth leakage protections, 160A rating



Main

| | |
|--------------------------------|--|
| Range | ComPacT new generation |
| Range of product | ComPacT NSX100...250 new generation |
| Product or component type | Trip unit |
| Trip unit name | MicroLogic 4.2 |
| Trip unit technology | Electronic |
| Range compatibility | ComPacT new generation NSX160 ComPacT new generation NSX100 ComPacT new generation NSX250 |
| Device application | Distribution |
| Poles description | 4P |
| Protected poles description | 3D + N/2 4D 3D |
| Neutral position | Left |
| Trip unit protection functions | LSolR |
| Protection type | L : for overload protection (long time) So : for short time short-circuit protection with fixed delay I : for instantaneous short-circuit protection R : for earth-leakage protection |
| Trip unit rating | 160 A at 40 °C |
| [Ue] rated operational voltage | 440 V AC 50/60 Hz |
| Network type | AC |
| Network frequency | 50/60 Hz |
| Circuit breaker mounting mode | Fixed |

Complementary

| | |
|---|--|
| Long-time pick-up adjustment type Ir (thermal protection) | Adjustable 9 settings |
| [Ir] long-time protection pick-up adjustment range | 63...160 A |
| Long-time protection delay adjustment type tr | Fixed |
| [tr] long-time protection delay adjustment range | 11 S at 7.2 x Ir 16 S at 6 x Ir 400 s at 1.5 x Ir |
| Neutral protection settings | 0.5 x Ir (3D + N/2) 1 x Ir (4D) No protection (3D) |
| 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 | Fixed |
| Instantaneous protection pick-up adjustment type Ii | Fixed |
| [Ii] instantaneous protection pick-up adjustment range | 2400 A |
| Earth-leakage protection | Integrated |
| Earth-leakage protection class | Class A |

| | |
|--|--|
| Earth-leakage protection sensitivity adjustment type $I_{\Delta n}$ | Adjustable |
| [$I_{\Delta n}$] earth-leakage protection sensitivity adjustment range | 0.03 A 0.1 A 0.3 A 0.5 A 1 A 3 A 5 A |
| Earth-leakage protection specific mode | OFF using the $I_{\Delta n}$ rotary switch |
| Earth-leakage protection time delay adjustment type Δt | Adjustable |
| [Δt] Earth-leakage protection time delay adjustment range | 0 Ms 60 Ms 150 Ms 500 Ms 1 s |
| Zone selective interlocking ZSI | Without |
| Local signalling | Flashing LED (green) for ready to operate LED 105 % I_r (red) for overload LED 90 % I_r (orange) for overload Color indicator (yellow) for residual current |




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 | 774.0 g |
| Unit Type of Package 2 | S03 |
| Number of Units in Package 2 | 10 |
| Package 2 Height | 30.0 cm |
| Package 2 Width | 30.0 cm |
| Package 2 Length | 40.0 cm |
| Package 2 Weight | 8.254 kg |
| Unit Type of Package 3 | P06 |
| Number of Units in Package 3 | 80 |
| Package 3 Height | 75.0 cm |
| Package 3 Width | 60.0 cm |
| Package 3 Length | 80.0 cm |
| Package 3 Weight | 73.0 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 |