

Product data sheet

Specifications



Circuit breaker, EasyPact MVS, 3 Poles, 4000A, 50kA, EDO, ETV6, drawout, electrical

MVS40N3NW6V

Main

| | |
|--------------------------------|---|
| Range | EasyPact |
| Product Name | MVS40N |
| Device Short Name | MVS40N |
| Product Or Component Type | Circuit breaker |
| Device Application | Distribution |
| Poles Description | 3P |
| Protected Poles Description | 3P 3d |
| [In] Rated Current | 4000 A at 40 °C |
| Network Type | AC |
| [Ue] Rated Operational Voltage | 690 V AC 50/60 Hz conforming to IEC 60947-2 |
| Breaking Capacity Code | N |
| Suitability For Isolation | Yes conforming to IEC 60947-2 |
| Utilisation Category | Category B |
| Trip Unit Name | ETV6G |
| Trip Unit Technology | Electronic |
| Trip Unit Rating | 4000 A |

Complementary

| | |
|--|--|
| Network Frequency | 50/60 Hz |
| Control Type | Electrically operated |
| Mounting Mode | Drawout |
| Mounting Support | Base plate Rail |
| Connection Position | Vertical Horizontal |
| Location Of Connection | Rear |
| [Ui] Rated Insulation Voltage | 1000 V AC 50/60 Hz conforming to IEC 60947-2 |
| [Uimp] Rated Impulse Withstand Voltage | 12 kV conforming to IEC 60947-2 |
| Circuit Breaker Ct Rating | 4000 A |
| Breaking Capacity | 55 kA Icu at 220...440 V AC 50/60 Hz conforming to IEC 60947-2 |
| [Ics] Rated Service Breaking Capacity | 55 kA (Ics) at 220...440 V AC 50/60 Hz conforming to IEC 60947-2 |

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

| | |
|--|--|
| Mechanical Durability | 20000 cycles (with maintenance) conforming to IEC 60947-2 10000 cycles (without maintenance) conforming to IEC 60947-2 |
| Electrical Durability | Category B: 5000 cycles 440 V AC 50/60 Hz without maintenance conforming to IEC 60947-2 Category B: 2500 cycles 690 V AC 50/60 Hz without maintenance conforming to IEC 60947-2 |
| Connection Pitch | 115 mm without spreader |
| Contact Position Indicator | Yes |
| [Icm] Rated Short-Circuit Making Capacity | 121 kA (Icm) at 220...440 V AC 50/60 Hz conforming to IEC 60947-2 |
| [Icw] Rated Short-Time Withstand Current | 42 kA (1 s) at 690 V AC 50/60 Hz conforming to IEC 60947-2 55 kA (1 s) at 220...440 V AC 50/60 Hz conforming to IEC 60947-2 30 kA (3 s) at 440/690 V AC 50/60 Hz conforming to IEC 60947-2 |
| Trip Unit Protection Functions | LSIG |
| Protection Type | Overload protection (long time) Instantaneous short-circuit protection Short time short-circuit protection Earth fault |
| Fault Indication | Short-circuit Internal fault Earth fault Overload |
| Long Time Pick-Up Adjustment Type Ir | Adjustable 9 settings |
| Long Time Pick-Up Adjustment Range | 0.4...1 x In |
| Long Time Delay Adjustment Type | Adjustable 9 settings |
| [Tr] Long-Time Delay Adjustment Range | 0.5...24 s at 6 x Ir |
| Short-Time Pick-Up Adjustment Type Isd | Adjustable 9 settings |
| [Isd] Short-Time Pick-Up Adjustment Range | 1.5...10 x Ir |
| Short-Time Delay Adjustment Type | Adjustable 5 settings |
| [Tsd] Short-Time Delay Adjustment Range | 100...400 ms |
| Instantaneous Pick-Up Adjustment Type Ii | Adjustable 9 settings |
| Instantaneous Pick-Up Adjustment Range | Off 2...15 x In |
| Ground-Fault Pick-Up Adjustment Type | Adjustable 9 settings |
| Ground-Fault Time Delay Adjustment Type -Tg | Adjustable 5 settings |
| [Tg] Ground-Fault Time Delay Adjustment Range | 100...400 ms |
| [Ig] Ground-Fault Pick-Up Adjustment Range | 500...1200 A |
| Zone Selective Interlocking Zsi | With |
| Display Type | Digital display |
| Type Of Measurement | Voltage |
| Current Sensor Rating Range | 1000/4000 A |
| Maximum Breaking Time | 25 ms |
| Maximum Closing Response Time | 70 ms |
| Height | 439 mm |
| Width | 441 mm |
| Depth | 395 mm |

| | |
|------------|-------|
| Net Weight | 90 kg |
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Environment

| | |
|---------------------------------------|---|
| Standards | IEC 60947-2 |
| Product Certifications | CCC IEC GOST CCS |
| Pollution Degree | 4 conforming to IEC 60664-1 |
| Ip Degree Of Protection | IP40 |
| Ambient Air Temperature For Operation | -5...70 °C |
| Ambient Air Temperature For Storage | -40...85 °C without control unit -25...85 °C with control unit |

Packing Units

| | |
|------------------------------|---------|
| Unit Type Of Package 1 | PCE |
| Number Of Units In Package 1 | 1 |
| Package 1 Height | 42.0 cm |
| Package 1 Width | 35.0 cm |
| Package 1 Length | 50.0 cm |
| Package 1 Weight | 38.0 kg |

Contractual warranty

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|----------|-----------|
| Warranty | 18 months |
|----------|-----------|

Sustainability

Green Premium™ label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

[Guide to assess a product's sustainability >](#)



Transparency RoHS/REACH

Well-being performance

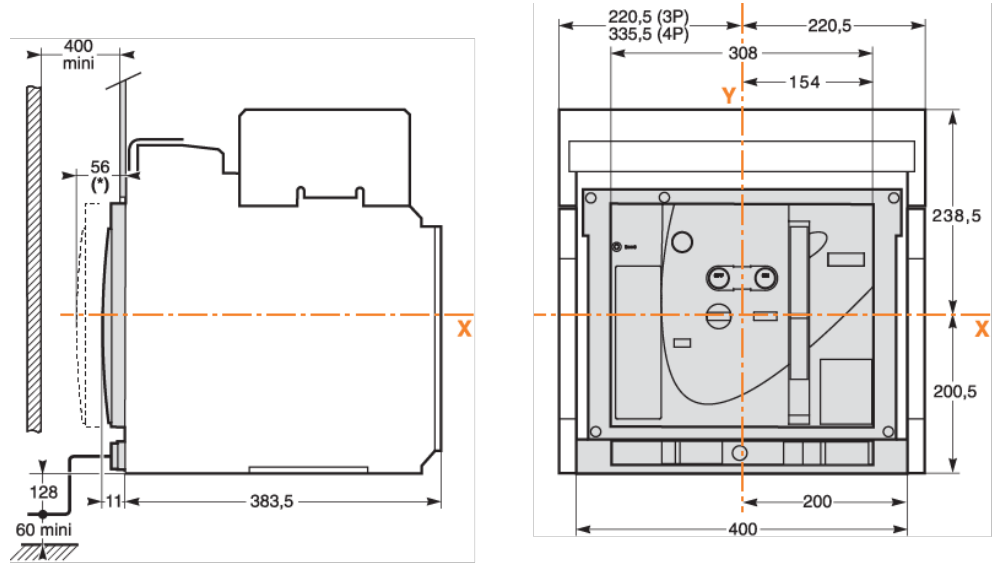
✓ Mercury Free

✓ Rohs Exemption Information [Yes](#)

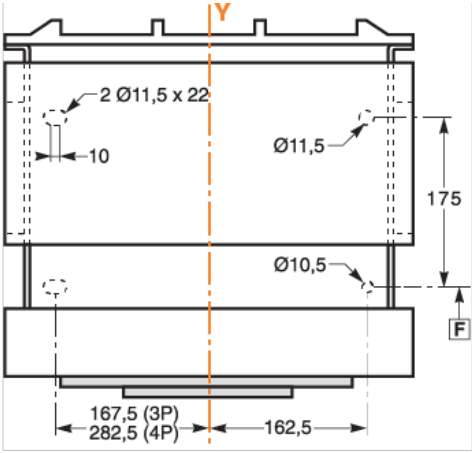
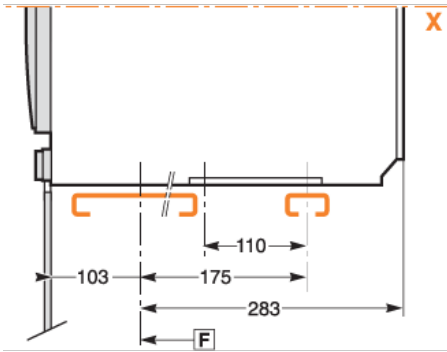
Certifications & Standards

| | |
|--------------------------|---|
| Reach Regulation | REACH Declaration |
| Eu Rohs Directive | Compliant with Exemptions |
| China Rohs Regulation | China RoHS declaration Product out of China RoHS scope. Substance declaration for your information |
| Environmental Disclosure | Product Environmental Profile |
| Circularity Profile | End of Life Information |

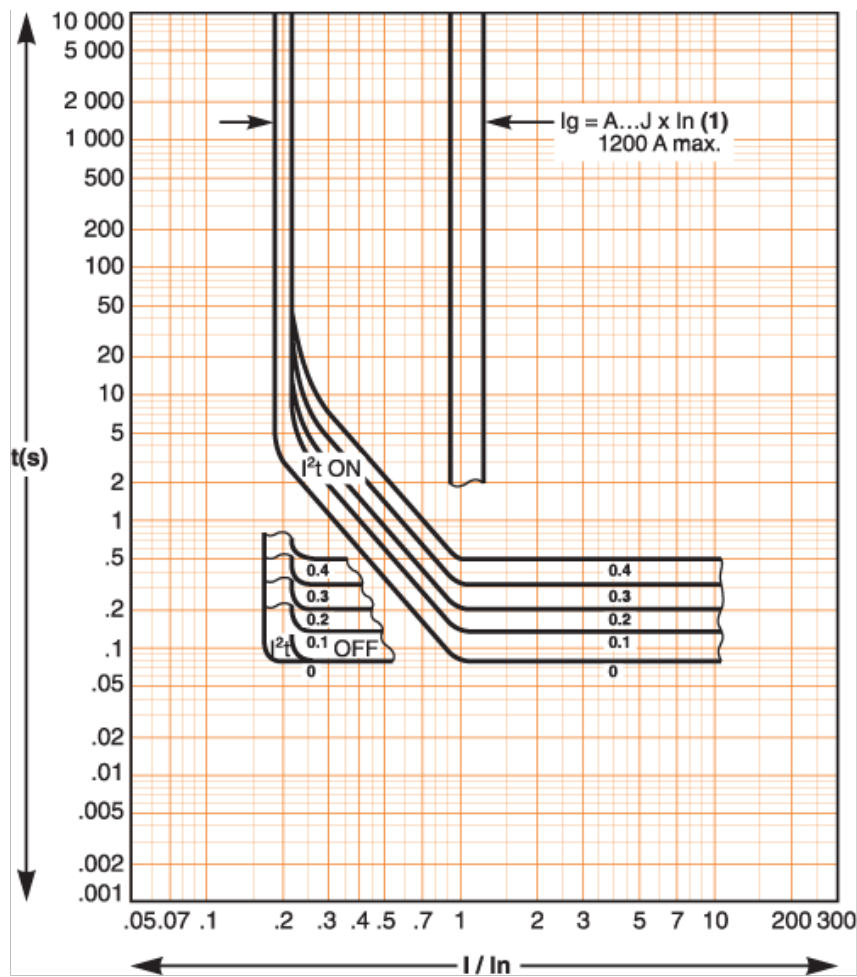
Dimensions Drawings



Assembly

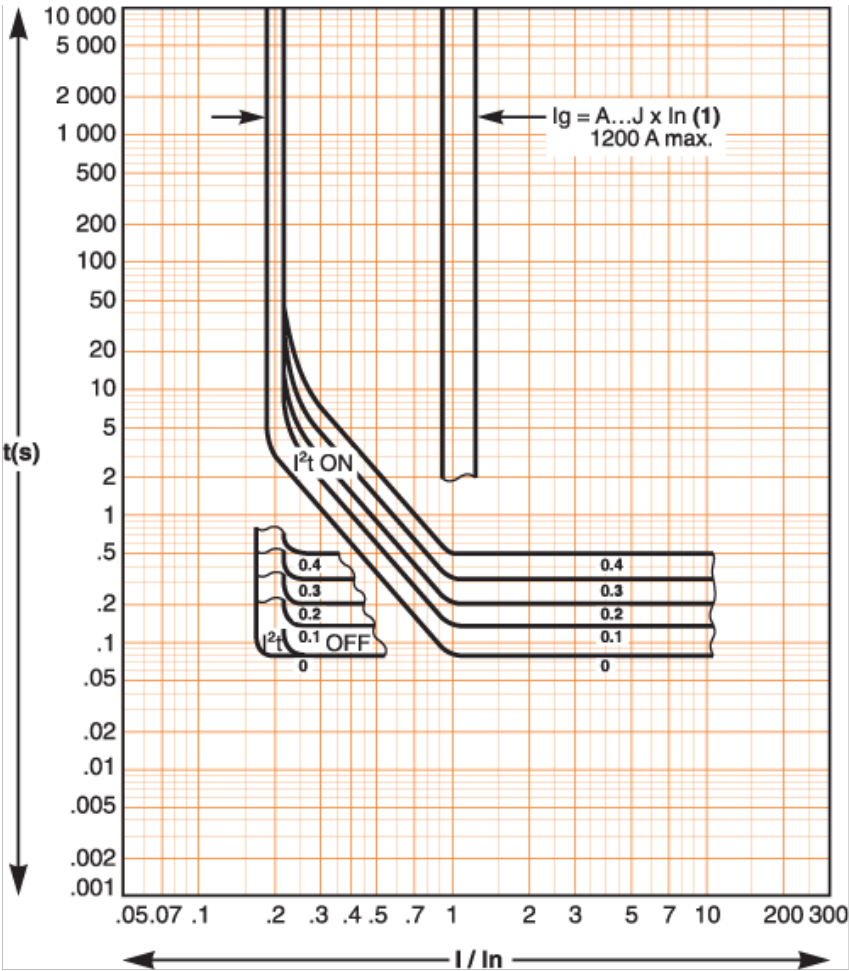


Performance Curves



(1)

| $I_g = \ln \times \dots$ | A | B | C | D | E | F | G | H | J |
|---|-----|-----|-----|-----|-----|-----|------|------|------|
| $\ln \leq 400\text{ A}$ | 0.3 | 0.3 | 0.4 | 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1 |
| $400\text{ A} < \ln \leq 1000\text{ A}$ | 0.2 | 0.3 | 0.4 | 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1 |
| $\ln \geq 1250\text{ A}$ | 500 | 640 | 720 | 800 | 880 | 960 | 1040 | 1120 | 1200 |



(1)

| $I_g = I_n \times \dots$ | A | B | C | D | E | F | G | H | J |
|---|-----|-----|-----|-----|-----|-----|------|------|------|
| $I_n \leq 400 \text{ A}$ | 0.3 | 0.3 | 0.4 | 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1 |
| $400 \text{ A} < I_n \leq 1000 \text{ A}$ | 0.2 | 0.3 | 0.4 | 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1 |
| $I_n \geq 1250 \text{ A}$ | 500 | 640 | 720 | 800 | 880 | 960 | 1040 | 1120 | 1200 |