

# Product data sheet

Specifications



## Circuit breaker, EasyPact MVS, 4 Poles, 4000A, 50kA, MDO, ETA2, drawout, manual

MVS40N4MW2A

### Main

|                                |   |
|--------------------------------|---|
| Range                          | EasyPact                                    |
| Product Name                   | MVS40N                                      |
| Device Short Name              | MVS40N                                      |
| Product Or Component Type      | Circuit breaker                             |
| Device Application             | Distribution                                |
| Poles Description              | 4P  |
| Protected Poles Description    | 4P 4d                                       |
| Neutral Position               | Left  |
| [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                 | ETA2I                                       |
| Trip Unit Technology           | Electronic                                  |
| Trip Unit Rating               | 4000 A                                      |

### Complementary

|  |  |
|--|--|
| Network Frequency                      | 50/60 Hz   |
| Control Type                           | Manually operated  |
| Mounting Mode                          | Drawout  |
| Mounting Support                       | Rail<br>Base plate   |
| Connection Position                    | Horizontal<br>Vertical   |
| 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

|  |  |
|--|--|
| <b>Mechanical Durability</b>                     | 20000 cycles (with maintenance) conforming to IEC 60947-2<br>10000 cycles (without maintenance) conforming to IEC 60947-2  |
| <b>Electrical Durability</b>                     | Category B: 5000 cycles 440 V AC 50/60 Hz without maintenance conforming to IEC 60947-2<br>Category B: 2500 cycles 690 V AC 50/60 Hz without maintenance conforming to IEC 60947-2               |
| <b>Connection Pitch</b>                          | 115 mm without spreader  |
| <b>Contact Position Indicator</b>                | Yes  |
| <b>[Icm] Rated Short-Circuit Making Capacity</b> | 121 kA (Icm) at 220...440 V AC 50/60 Hz conforming to IEC 60947-2  |
| <b>[Icw] Rated Short-Time Withstand Current</b>  | 42 kA (1 s) at 690 V AC 50/60 Hz conforming to IEC 60947-2<br>55 kA (1 s) at 220...440 V AC 50/60 Hz conforming to IEC 60947-2<br>30 kA (3 s) at 440/690 V AC 50/60 Hz conforming to IEC 60947-2 |
| <b>Neutral Protection Setting</b>                | Without protection (3D)<br>0.5 x Ir (3D + N/2)<br>1 x Ir (4D)  |
| <b>Trip Unit Protection Functions</b>            | LI   |
| <b>Protection Type</b>                           | Instantaneous short-circuit protection<br>Overload protection (long time)  |
| <b>Fault Indication</b>                          | Overload<br>Internal fault<br>Short-circuit  |
| <b>Long Time Pick-Up Adjustment Type Ir</b>      | Adjustable 9 settings  |
| <b>Long Time Pick-Up Adjustment Range</b>        | 0.4...1 x In   |
| <b>Long Time Delay Adjustment Type</b>           | Adjustable 9 settings  |
| <b>[Tr] Long-Time Delay Adjustment Range</b>     | 0.5...24 s at 6 x Ir   |
| <b>Thermal Memory</b>                            | 20 minutes before and after tripping   |
| <b>Instantaneous Pick-Up Adjustment Type Ii</b>  | Adjustable 9 settings  |
| <b>Instantaneous Pick-Up Adjustment Range</b>    | 1.5...10 x Ir  |
| <b>Zone Selective Interlocking Zsi</b>           | With   |
| <b>Display Type</b>                              | Digital display  |
| <b>Type Of Measurement</b>                       | Current  |
| <b>Current Sensor Rating Range</b>               | 1000/4000 A  |
| <b>Maximum Breaking Time</b>                     | 25 ms  |
| <b>Maximum Closing Response Time</b>             | 70 ms  |
| <b>Height</b>                                    | 439 mm   |
| <b>Width</b>                                     | 556 mm   |
| <b>Depth</b>                                     | 395 mm   |
| <b>Net Weight</b>                                | 120 kg   |

## Environment

|                                |                             |
|--------------------------------|-----------------------------|
| <b>Standards</b>               | IEC 60947-2                 |
| <b>Product Certifications</b>  | CCC<br>IEC<br>GOST<br>CCS   |
| <b>Pollution Degree</b>        | 4 conforming to IEC 60664-1 |
| <b>Ip Degree Of Protection</b> | IP40                        |

|                                       |   |
|---------------------------------------|---|
| Ambient Air Temperature For Operation | -5...70 °C  |
| Ambient Air Temperature For Storage   | -40...85 °C without control unit<br>-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

|          |           |
|----------|-----------|
| 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-CO<sub>2</sub> products.

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Transparency   RoHS/REACH

## Well-being performance

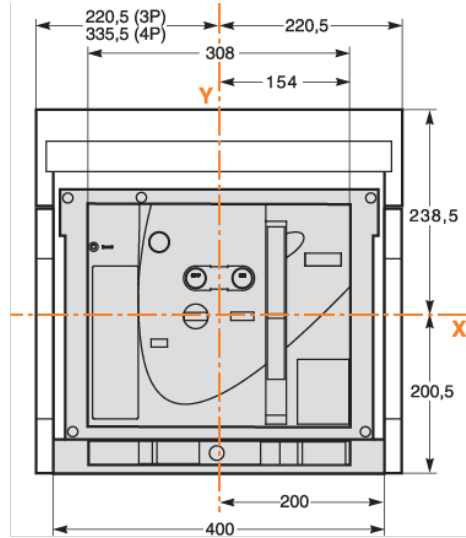
✓ Mercury Free

✓ Rohs Exemption Information   [Yes](#)

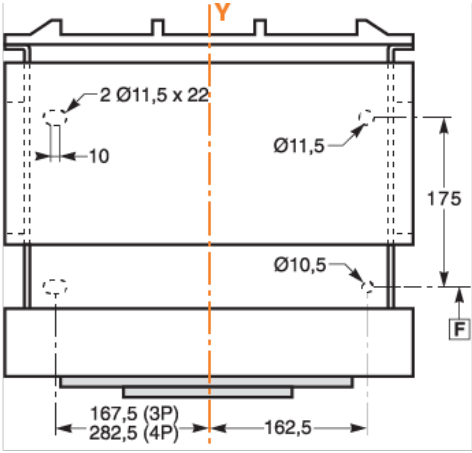
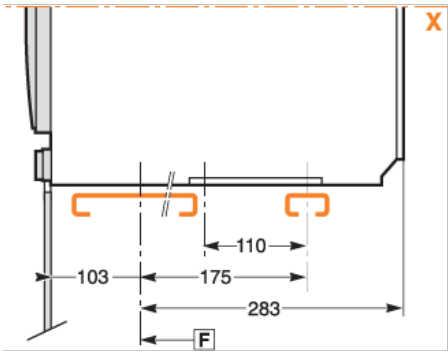
✓ Pvc Free

## Certifications & Standards

|                          |   |
|--------------------------|---|
| Reach Regulation         | <a href="#">REACH Declaration</a>   |
| Eu Rohs Directive        | Compliant with Exemptions   |
| China Rohs Regulation    | <a href="#">China RoHS declaration</a><br>Product out of China RoHS scope. Substance declaration for your information |
| Environmental Disclosure | <a href="#">Product Environmental Profile</a>   |
| Circularity Profile      | <a href="#">End of Life Information</a>   |



Assembly



Performance Curves

