

Product data sheet

Specifications



Circuit breaker, EasyPact MVS, 3 Poles, 2000A, 50kA, MDO, ETA5, drawout, manual

MVS20N3MW5A

Main

| | |
|--------------------------------|---|
| Range | EasyPact |
| Product Name | MVS20N |
| Device Short Name | MVS20N |
| Product Or Component Type | Circuit breaker |
| Device Application | Distribution |
| Poles Description | 3P |
| Protected Poles Description | 3P 3d |
| [In] Rated Current | 2000 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 | ETA5S |
| Trip Unit Technology | Electronic |
| Trip Unit Rating | 2000 A |

Complementary

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| Network Frequency | 50/60 Hz |
| Control Type | Manually 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 | 2000 A |
| Breaking Capacity | 50 kA Icu at 220...440 V AC 50/60 Hz conforming to IEC 60947-2 |
| [Ics] Rated Service Breaking Capacity | 50 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

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|--|--|
| Mechanical Durability | 20000 cycles (with maintenance) conforming to IEC 60947-2 10000 cycles (without maintenance) conforming to IEC 60947-2 |
| Electrical Durability | Category B: 6000 cycles 440 V AC 50/60 Hz without maintenance conforming to IEC 60947-2 Category B: 4000 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 | 105 kA (Icm) at 220...440 V AC 50/60 Hz conforming to IEC 60947-2 |
| [Icw] Rated Short-Time Withstand Current | 50 kA (1 s) at 220...440 V AC 50/60 Hz conforming to IEC 60947-2 42 kA (1 s) at 690 V AC 50/60 Hz conforming to IEC 60947-2 25 kA (3 s) at 440/690 V AC 50/60 Hz conforming to IEC 60947-2 |
| Trip Unit Protection Functions | LSI |
| Protection Type | Short time short-circuit protection Instantaneous short-circuit protection Overload protection (long time) |
| Fault Indication | Short-circuit Overload Internal fault |
| 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 |
| Zone Selective Interlocking Zsi | With |
| Display Type | Digital display |
| Type Of Measurement | Current |
| Current Sensor Rating Range | 400/2000 A |
| Maximum Breaking Time | 25 ms |
| Maximum Closing Response Time | 70 ms |
| Height | 439 mm |
| Width | 441 mm |
| Depth | 395 mm |
| Net Weight | 70 kg |

Environment

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|-----------|-------------|
| Standards | IEC 60947-2 |
|-----------|-------------|

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|---------------------------------------|---|
| Product Certifications | CCS CCC IEC GOST |
| 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

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

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