Product datasheet

Specification





Circuit breaker, EasyPact MVS, 4 Poles, 4000A, 50kA, EDO, ETA2, drawout, electrical

MVS40N4NW2A

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 | Electrically operated |
| Mounting Mode | Drawout |
| Mounting Support | Rail Base plate |
| 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 220440 V AC 50/60 Hz conforming to IEC 60947-2 |
| [Ics] Rated Service Breaking Capacity | 55 kA (Ics) at 220440 V AC 50/60 Hz conforming to IEC 60947-2 |

| 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 220440 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 220440 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 |
| Neutral Protection Setting | Without protection (3D) 0.5 x lr (3D + N/2) 1 x lr (4D) |
| Trip Unit Protection Functions | и |
| Protection Type | Instantaneous short-circuit protection Overload protection (long time) |
| Fault Indication | Overload Internal fault Short-circuit |
| Long Time Pick-Up Adjustment Type Ir | Adjustable 9 settings |
| Long Time Pick-Up Adjustment Range | 0.41 x ln |
| Long Time Delay Adjustment Type | Adjustable 9 settings |
| [Tr] Long-Time Delay Adjustment Range | 0.524 s at 6 x Ir |
| Thermal Memory | 20 minutes before and after tripping |
| Instantaneous Pick-Up Adjustment Type li | Adjustable 9 settings |
| Instantaneous Pick-Up Adjustment Range | 1.510 x lr |
| Zone Selective Interlocking Zsi | With |
| Display Type | Digital display |
| Type Of Measurement | Current |
| Current Sensor Rating Range | 1000/4000 A |
| Maximum Breaking Time | 25 ms |
| Maximum Closing Response Time | 70 ms |
| Height | 439 mm |
| Width | 556 mm |
| Depth | 395 mm |
| | |

Environment

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

| Ambient Air Temperature For Operation | -570 °C |
|---------------------------------------|-------------------------------|
| Ambient Air Temperature For Storage | -4085 °C without 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

Green PremiumTM **label** is Schneider Electric's commitment to delivering products with best-inclass 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

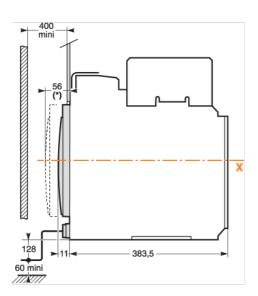
Certifications & Standards

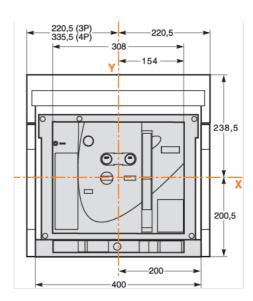
| Reach Regulation | REACh Declaration |
|--------------------------|---|
| Eu Rohs Directive | Compliant with Exemptions |
| China Rohs Regulation | China RoHS declaration Product out of China RoHS scope. Substance declaration for your information |
| Environmental Disclosure | Product Environmental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

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Dimensions Drawings

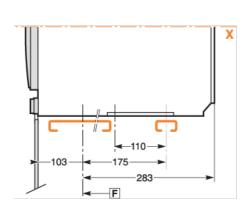


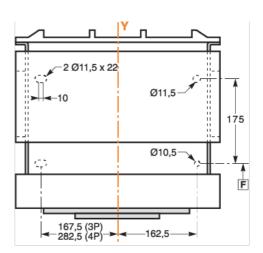


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Assembly





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Performance Curves

