

MVS10N3MF2L

EP MVS CB 1000A 50kA 3P MF ET2 fixed manual circuit breaker



Main

| | |
|-----------------------------|-------------------------------|
| Range of product | EasyPact MVS |
| Circuit breaker name | MVS10N |
| Device short name | MVS10N |
| Circuit breaker application | Standard |
| Poles description | 3P |
| Protected poles description | 3P 3d |
| Network type | AC |
| Breaking capacity code | N - 50 kA |
| Suitability for isolation | Yes conforming to IEC 60947-2 |
| Utilisation category | Category B |
| Trip unit name | ET2I |
| Trip unit technology | Micro-processor based |
| Trip unit rating | 1000 A (-5...70 °C) |

Complementary

| | |
|---|--|
| Network frequency | 50/60 Hz |
| Control type | Manually operated |
| Mounting mode | Fixed |
| Mounting support | Base plate Rail |
| Connection position | Horizontal Vertical |
| Location of connection | Rear |
| [In] rated current | 1000 A (40 °C) |
| [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 |
| [Ue] rated operational voltage | 690 V AC 50/60 Hz conforming to IEC 60947-2 |
| Circuit breaker CT rating | 1000 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 |
| Mechanical durability | 10000 cycles (without maintenance) conforming to IEC 60947-2 20000 cycles (with maintenance) conforming to IEC 60947-2 |
| Electrical durability | 4000 cycles (without maintenance), category B at 690 V AC 50/60 Hz, conforming to IEC 60947-2 6000 cycles (without maintenance), category B at 440 V AC 50/60 Hz, 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 | 25 kA (3 s) at 440/690 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 50 kA (1 s) at 220...440 V AC 50/60 Hz conforming to IEC 60947-2 |
| Trip unit protection functions | LI |
| Protection type | Instantaneous short-circuit protection Overload protection (long time) |
| Fault indication | Overload Short-circuit Internal fault |
| Long time pick-up adjustment type Ir | Adjustable 9 settings |

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. 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. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

| | |
|--|--------------------------------------|
| Long time pick-up adjustment range | 0.4...1 x I _n |
| Long time delay adjustment type | Adjustable 9 settings |
| [Tr] long-time delay adjustment | 0.5...24 s (6 x I _r) |
| Thermal memory | 20 minutes before and after tripping |
| Instantaneous pick-up adjustment type li | Adjustable 9 settings |
| Instantaneous pick-up adjustment range | 1.5...10 x I _r |
| Zone selective interlocking ZSI | With |
| Current sensor rating range | 400/2000 A |
| Maximum breaking time | 25 ms |
| Closing response time | < 70 ms |
| Height | 352 mm |
| Width | 422 mm |
| Depth | 297 mm |
| Product weight | 40 kg |

Environment

| | |
|---------------------------------------|---|
| Standards | IEC 60947-2 |
| Product certifications | CCC GOST IEC CCS |
| IP degree of protection | IP40 |
| Pollution degree | 4 conforming to IEC 60664-1 |
| Ambient air temperature for operation | -5...70 °C |
| Ambient air temperature for storage | -25...85 °C (with control unit) -40...85 °C (without control unit) |