



Main

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| Range of product | EasyPact MVS |
| 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 |
| Network type | AC |
| Breaking capacity code | N |
| Suitability for isolation | Yes conforming to IEC 60947-2 |
| Utilisation category | Category B |
| Trip unit name | ET2I |
| 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 | Fixed |
| Mounting support | Rail Base plate |
| Connection position | Horizontal Vertical |
| Location of connection | Rear |
| [In] rated current | 2000 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 |

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| [Ue] rated operational voltage | 690 V AC 50/60 Hz 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 |
| Mechanical durability | 20000 cycles (with maintenance) conforming to IEC 60947-2 10000 cycles (without maintenance) conforming to IEC 60947-2 |
| Electrical durability | 6000 cycles (without maintenance), category B at 440 V AC 50/60 Hz, conforming to IEC 60947-2 4000 cycles (without maintenance), category B at 690 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 | 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 | LI |
| Protection type | Overload protection (long time) Instantaneous short-circuit protection |
| Fault indication | Internal fault Overload Short-circuit |
| Long time pick-up adjustment type I _r | Adjustable 9 settings |
| Long time pick-up adjustment range | 0.4...1 x I _n |
| Long time delay adjustment type | Adjustable 9 settings |
| [T _r] long-time delay adjustment range | 0.5...24 s (6 x I _r) |
| Thermal memory | 20 minutes before and after tripping |
| Instantaneous pick-up adjustment type I _i | 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


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| Standards | IEC 60947-2 |
| Product certifications | IEC CCS GOST CCC |
| 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 | -40...85 °C (without control unit) -25...85 °C (with control unit) |

Offer Sustainability

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| Sustainable offer status | Not Green Premium product |
| RoHS (date code: YYWW) | Will be compliant on 2Q2016 Will be compliant on 2Q2016 |
| REACH | Reference not containing SVHC above the threshold |

Reference not containing SVHC above the threshold

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| Product environmental profile | Available  Product environmental |
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| Product end of life instructions | Available  End of life manual |
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Contractual warranty

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| Warranty period | 18 months |
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