



### Main

|                             |                               |
|-----------------------------|-------------------------------|
| Range of product            | EasyPact MVS                  |
| Range                       | EasyPact                      |
| Product name                | MVS16H                        |
| Device short name           | MVS16H                        |
| Product or component type   | Circuit breaker               |
| Device application          | Distribution                  |
| Poles description           | 3P                            |
| Protected poles description | 3P 3d                         |
| Network type                | AC                            |
| Breaking capacity code      | H                             |
| Suitability for isolation   | Yes conforming to IEC 60947-2 |
| Utilisation category        | Category B                    |
| Trip unit name              | ET6G                          |
| Trip unit technology        | Electronic                    |
| Trip unit rating            | 1600 A                        |

### Complementary

|                                        |                                              |
|----------------------------------------|----------------------------------------------|
| Network frequency                      | 50/60 Hz                                     |
| Control type                           | Manually operated                            |
| Mounting mode                          | Fixed                                        |
| Mounting support                       | Rail<br>Base plate                           |
| Connection position                    | Horizontal<br>Vertical                       |
| Location of connection                 | Rear                                         |
| [In] rated current                     | 1600 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                                  | 1600 A                                                                                                                                                                                           |
| Breaking capacity                                          | 65 kA (Icu) at 220...440 V AC 50/60 Hz conforming to IEC 60947-2                                                                                                                                 |
| [Ics] rated service breaking capacity                      | 65 kA (Ics) at 220...440 V AC 50/60 Hz conforming to IEC 60947-2<br>50 kA (Ics) at 690 V AC 50/60 Hz conforming to IEC 60947-2                                                                   |
| Mechanical durability                                      | 20000 cycles (with maintenance) conforming to IEC 60947-2<br>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<br>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                  | 143 kA (Icm) at 220...440 V AC 50/60 Hz conforming to IEC 60947-2                                                                                                                                |
| [Icw] rated short-time withstand current                   | 65 kA (1 s) at 220...440 V AC 50/60 Hz conforming to IEC 60947-2<br>50 kA (1 s) at 690 V AC 50/60 Hz conforming to IEC 60947-2<br>36 kA (3 s) at 440/690 V AC 50/60 Hz conforming to IEC 60947-2 |
| Trip unit protection functions                             | LSIG                                                                                                                                                                                             |
| Protection type                                            | Overload protection (long time)<br>Short time short-circuit protection<br>Instantaneous short-circuit protection<br>Earth fault                                                                  |
| Fault indication                                           | Internal fault<br>Short-circuit<br>Overload<br>Earth 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 (6 x Ir)                                                                                                                                                                              |
| Short-time pick-up adjustment type I <sub>sd</sub>         | Adjustable 9 settings                                                                                                                                                                            |
| [I <sub>sd</sub> ] short-time pick-up adjustment range     | 1.5...10 x Ir                                                                                                                                                                                    |
| Short-time delay adjustment type                           | Adjustable 5 settings                                                                                                                                                                            |
| [T <sub>sd</sub> ] short-time delay adjustment range       | 100...400 ms                                                                                                                                                                                     |
| Instantaneous pick-up adjustment type I <sub>li</sub>      | Adjustable 9 settings                                                                                                                                                                            |
| Instantaneous pick-up adjustment range                     | 2...15 x In<br>Off                                                                                                                                                                               |
| Ground-fault pick-up adjustment type                       | Adjustable 9 settings                                                                                                                                                                            |
| Ground-fault time delay adjustment type -tg                | Adjustable 5 settings                                                                                                                                                                            |
| [T <sub>g</sub> ] ground-fault time delay adjustment range | 100...400 ms                                                                                                                                                                                     |
| [I <sub>g</sub> ] ground-fault pick-up adjustment range    | 500...1200 A                                                                                                                                                                                     |
| 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                                                                                                                                                                                            |
| Compatibility code                                         | MVS16H                                                                                                                                                                                           |

## Environment

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

|                                       |                                                                       |
|---------------------------------------|-----------------------------------------------------------------------|
| Product certifications                | GOST<br>CCC<br>IEC<br>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   | -40...85 °C (without control unit)<br>-25...85 °C (with control unit) |

### Offer Sustainability

|                                  |                                                                                                                                       |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status         | Green Premium product                                                                                                                 |
| RoHS (date code: YYWW)           | Compliant - since 1440 - Schneider Electric declaration of conformity<br><a href="#">Schneider Electric declaration of conformity</a> |
| REACH                            | Reference not containing SVHC above the threshold<br><a href="#">Reference not containing SVHC above the threshold</a>                |
| Product environmental profile    | Available<br><a href="#">Product environmental</a>                                                                                    |
| Product end of life instructions | Available<br><a href="#">End of life manual</a>                                                                                       |

### Contractual warranty

|                 |           |
|-----------------|-----------|
| Warranty period | 18 months |
|-----------------|-----------|

# MVS16H3MF6L