

# M-Relay

MR100-S/MR100-T



| Items                            | Unit | MR100-S      | MR100-T                              |
|----------------------------------|------|--------------|--------------------------------------|
| Electrical parameters            |      |              |                                      |
| Grid setup                       |      | Single-phase | Three-phase                          |
| Nominal voltage                  | V    | 220/230/240  | 220/380 Va.c., 230/400 Va.c., 3/N~   |
| Operating voltage range (L to N) | V    |              | 184 to 276                           |
| Nominal frequency                | Hz   |              | 50/60                                |
| Extended frequency range         | Hz   |              | 45 to 65                             |
| Nominal current                  | A    | 40           | 40/phase                             |
| Max. current                     | A    | 50           | 50/phase                             |
| Night power consumption          | W    |              | < 1                                  |
| Overvoltage category             |      |              | III                                  |
| AC surge protection              |      |              | TYPE II                              |
| Mechanical parameters            |      |              |                                      |
| Dimensions (W x H x D)           | mm   |              | 85 × 148 × 40                        |
| Weight                           | kg   | 0.3          | 0.4                                  |
| Ambient temperature range        | °C   |              | -30 to 50                            |
| Cooling                          |      |              | Natural convection                   |
| Enclosure environmental rating   |      |              | IP20                                 |
| Noise                            | dB   |              | <25                                  |
| Altitude                         | m    |              | 3000                                 |
| Protection class                 |      |              | II                                   |
| Pollution degree                 |      |              | II                                   |
| Communication interfaces         |      |              |                                      |
| Communication                    |      |              | RS485                                |
| Indicator                        |      |              | 1 × LED                              |
| Compliance                       |      |              |                                      |
| Safety                           |      |              | IEC 60255-27                         |
| EMC                              |      |              | IEC 61000-6-1/-2/-3/-4, IEC 60255-26 |