

### Main

|                              |  |
|------------------------------|--|
| Range of product             | Zelio Control  |
| Product or component type    | Modular measurement and control relays                 |
| Relay type                   | Control relay  |
| Product specific application | For 3-phase supply                                     |
| Relay name                   | RM17TG   |
| Relay monitored parameters   | Asymmetry<br>Phase failure detection<br>Phase sequence |
| Switching capacity in VA     | 1250 VA  |

### Complementary

|                                |  |
|--------------------------------|--|
| Maximum switching voltage      | 250 V AC<br>250 V DC   |
| Minimum switching current      | 10 mA 5 V DC   |
| [Us] rated supply voltage      | 208...440 V AC   |
| Supply voltage limits          | 183...484 V AC   |
| Control circuit voltage limits | - 12 %, + 10 % Un  |
| Power consumption in VA        | ≤ 1,8 VA AC  |
| Voltage detection threshold    | < 100 V AC   |
| Control circuit frequency      | 50...60 Hz +/- 10 %  |
| Width                          | 17,5 mm  |
| Output contacts                | 2 C/O  |
| Nominal output current         | 5 A  |
| Voltage range                  | 183...484 V  |
| Response time                  | < 100 ms in the event of a fault   |
| Marking                        | CE : 73/23/EEC<br>CE : EMC 89/336/EEC  |
| Overvoltage category           | III IEC 60664-1  |
| Insulation resistance          | > 500 MOhm 500 V DC IEC 60664-1<br>> 500 MOhm 500 V DC IEC 60255-5   |
| [Ui] rated insulation voltage  | 400 V IEC 60664-1  |
| Supply frequency               | 50/60 Hz +/- 10 %  |
| Operating position             | Any position without   |
| Electrical connection          | 1 conductor cable 0,5...4 mm <sup>2</sup> AWG20...AWG11 solid without cable end IEC 60947-1<br>1 conductor cable 0,2...2,5 mm <sup>2</sup> AWG24...AWG12 flexible with cable end IEC 60947-1<br>2 conductors cable 0,5...2,5 mm <sup>2</sup> AWG20...AWG14 solid without cable end IEC 60947-1<br>2 conductors cable 0,2...1,5 mm <sup>2</sup> AWG24...AWG16 flexible with cable end IEC 60947-1 |
| Tightening torque              | 0,6...1 N.m IEC 60947-1  |
| Housing material               | Self-extinguishing plastic   |
| Status LED                     | 1 LED yellow relay ON  |
| Mounting support               | 35 mm symmetrical DIN rail EN/IEC 60715  |
| Electrical durability          | 10000 cycles   |
| Mechanical durability          | 30000000 cycles  |
| Operating rate                 | ≤ 360 operations/hour full load  |

|                      |  |
|----------------------|--|
| Utilisation category | AC-12 IEC 60947-5-1<br>AC-13 IEC 60947-5-1<br>AC-14 IEC 60947-5-1<br>AC-15 IEC 60947-5-1<br>DC-12 IEC 60947-5-1<br>DC-13 IEC 60947-5-1 |
| Product weight       | 0,13 kg  |

## Environment

|                                       |   |
|---------------------------------------|---|
| Immunity to microbreaks               | 60 ms   |
| Electromagnetic compatibility         | Emission standard for industrial environments EN/IEC 61000-6-4<br>Emission standard for residential, commercial and light-industrial environments EN/IEC 61000-6-3<br>Immunity for industrial environments EN/IEC 61000-6-2 |
| Standards                             | EN/IEC 60255-6  |
| Product certifications                | C-Tick<br>CSA<br>GL<br>GOST<br>UL   |
| Ambient air temperature for storage   | -40...70 °C   |
| Ambient air temperature for operation | -20...50 °C   |
| Relative humidity                     | 95 % 55 °C IEC 60068-2-30   |
| Vibration resistance                  | 0.35 mm 5...57,6 Hz IEC 60068-2-6/IEC 60255-21-1<br>1 gn 57,6...150 Hz IEC 60068-2-6/IEC 60255-21-1   |
| Shock resistance                      | 15 gn 11 ms IEC 60255-21-1  |
| IP degree of protection               | IP20 terminals IEC 60529<br>IP30 casing IEC 60529   |
| Pollution degree                      | 3 IEC 60664-1   |
| Dielectric test voltage               | 2 kV 1 min AC 50 Hz   |
| Non-dissipating shock wave            | 4 kV  |
| RoHS EUR conformity date              | 0701  |
| RoHS EUR status                       | Compliant   |