



### Main

|                                |   |
|--------------------------------|---|
| Range                          | VigiPacT  |
| Device short name              | MA120   |
| Product or component type      | Earth leakage current sensor  |
| Device application             | Equipment monitoring and control  |
| Range compatibility            | VigiPacT RH10M residual current protection relay<br>VigiPacT RH10P residual current protection relay<br>VigiPacT RH21M residual current protection relay<br>VigiPacT RH21P residual current protection relay<br>VigiPacT RH68M residual current protection relay<br>VigiPacT RH86M residual current protection relay<br>VigiPacT RH86P residual current protection relay<br>VigiPacT RH99M residual current protection relay<br>VigiPacT RH99P residual current protection relay<br>VigiPacT RH197M residual current protection relay<br>VigiPacT RH197P residual current protection relay<br>VigiPacT RHU residual current protection relay<br>VigiPacT RHUs residual current protection relay<br>VigiPacT RMH residual current protection relay |
| Current sensor type            | A type closed toroid  |
| [Ie] rated operational current | 250 A   |

### Complementary

|  |  |
|--|--|
| Transformer ratio                        | 1/1000   |
| Network type                             | AC/DC  |
| Network frequency                        | 45...440 Hz  |
| [Icw] rated short-time withstand current | 85 kA for 0.5 s  |
| Residual short-circuit withstand current | 85 kA / 0.5 s conforming to IEC 60947-2  |
| [Ui] rated insulation voltage            | 1000 V   |
| Overvoltage category                     | IV   |
| [Uimp] rated impulse withstand voltage   | 12 kV  |
| Mounting mode                            | Fixed (cables)<br>Fixed (plain backplate)<br>Fixed (profiled sheet metal)<br>Fixed (slotted backplate)<br>Clip-on (DIN rail) |
| Calorific value                          | 3.89 MJ  |
| Connections - terminals                  | Screw connection 0.22 mm <sup>2</sup>  |
| Diameter                                 | 120 mm inner:  |
| Cable outer diameter                     | 60 mm: 240 mm <sup>2</sup> (maximum)   |
| Product weight                           | 0.59 kg  |
| Height                                   | 164 mm   |
| Width                                    | 190 mm   |
| Depth                                    | 44 mm  |

## Environment

|                                       |   |
|---------------------------------------|---|
| IP degree of protection               | Connectors: IP20<br>IP30  |
| Environmental characteristic          | Exposure to damp heat not in service (25...55 °C, RH 95 %) : 28 cycles conforming to IEC 60068-2-30<br>Salt mist: Kb/2 conforming to IEC 60068-2-52<br>Exposure to damp heat in service: category C2: 48 hours conforming to IEC 60068-2-56 |
| Pollution degree                      | Level 3 conforming to IEC 60664-1   |
| Ambient air temperature for operation | -35...70 °C   |
| Ambient air temperature for storage   | -55...85 °C   |
| Standards                             | IEC 60947-2   |
| Product certifications                | CE  |

## Packing Units

|                              |            |
|------------------------------|------------|
| Unit Type of Package 1       | PCE        |
| Number of Units in Package 1 | 1          |
| Package 1 Height             | 5.100 cm   |
| Package 1 Width              | 17.600 cm  |
| Package 1 Length             | 20.200 cm  |
| Package 1 Weight             | 538.000 g  |
| Unit Type of Package 2       | S04        |
| Number of Units in Package 2 | 26         |
| Package 2 Height             | 30.000 cm  |
| Package 2 Width              | 40.000 cm  |
| Package 2 Length             | 60.000 cm  |
| Package 2 Weight             | 14.340 kg  |
| Unit Type of Package 3       | P12        |
| Number of Units in Package 3 | 104        |
| Package 3 Height             | 50.000 cm  |
| Package 3 Width              | 80.000 cm  |
| Package 3 Length             | 120.000 cm |
| Package 3 Weight             | 70.288 kg  |

## Offer Sustainability

|                            |  |
|----------------------------|--|
| Sustainable offer status   | Green Premium product  |
| REACH Regulation           | <a href="#">REACH Declaration</a>  |
| EU RoHS Directive          | Compliant <a href="#">EU RoHS Declaration</a>  |
| Mercury free               | Yes  |
| China RoHS Regulation      | <a href="#">China RoHS Declaration</a>   |
| RoHS exemption information | <a href="#">Yes</a>  |
| Environmental Disclosure   | <a href="#">Product Environmental Profile</a>  |
| Circularity Profile        | <a href="#">End Of Life Information</a>  |
| WEEE                       | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins  |
| California proposition 65  | WARNING: This product can expose you to chemicals including: DINP, which is known to the State of California to cause cancer, and DIDP, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> |

## Contractual warranty

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