# Product data sheet
## Characteristics

# 50440
closed toroid A type, for VigiPacT and Vigilhom, MA120, inner diameter 120 mm, rated current 250 A



## Main

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

## Complementary

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|---|---|
| Transformer ratio | 1/1000 |
| Network type | AC/DC |
| Network frequency | 45...440 Hz |
| [Icw] rated short-time withstand current | 100 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 mm² |
| Diameter | 120 Mm inner: |
| Cable outer diameter | 60 Mm: 240 mm² (maximum) |

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This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications.
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| Net weight | 0.59 Kg |
| Height | 164 Mm |
| Width | 190 Mm |
| Depth | 44 Mm |

## Environment

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| 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

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|---|---|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Weight | 538 G |
| Package 1 Height | 5.1 Cm |
| Package 1 width | 17.6 Cm |
| Package 1 Length | 20.2 Cm |
| Unit Type of Package 2 | S04 |
| Number of Units in Package 2 | 26 |
| Package 2 Weight | 14.34 Kg |
| Package 2 Height | 30 Cm |
| Package 2 width | 40 Cm |
| Package 2 Length | 60 Cm |
| Unit Type of Package 3 | P12 |
| Number of Units in Package 3 | 104 |
| Package 3 Weight | 70.288 Kg |
| Package 3 Height | 50 Cm |
| Package 3 width | 80 Cm |
| Package 3 Length | 120 Cm |

## Offer Sustainability

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|---|---|
| Sustainable offer status | Green Premium product |
| EU RoHS Directive | Compliant EU RoHS Declaration |
| Mercury free | Yes |
| RoHS exemption information | Yes |
| China RoHS Regulation | China RoHS Declaration |
| Environmental Disclosure | Product Environmental Profile |
| Circularity Profile | End Of Life Information |
| WEEE | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |

## Contractual warranty

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| Warranty | 18 months |

Product Life Status : Commercialised