

Technical specifications:

GMA200-RT / GMA200-RTD



Display & control elements

| | GMA200-RT | GMA200-RTD |
|--------------|--|--|
| Status LEDs: | 19 status LEDs for alarm, operating and relay status | 19 status LEDs for alarm, operating and relay status |
| Display: | - | 2,2" graphic display |
| Buttons: | - | 5 buttons |

Environmental conditions

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|----------------|---|
| Mounting: | in the switch cabinet or in the wall housing, indoors on a mounting rail TS35 according to DIN EN 60715 up to an altitude of 2000 m above sea level |
| for storage: | -25...+60°C 0...99%r.h. (recommended: 0...+30°C) |
| for operation: | -20...+50°C 0...99%r.h. |

Power supply

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|------------------------------------|--------------------------------------|
| external supply with: | stabilized SELV or PELV power supply |
| Operating voltage U _e : | 24V DC (20-30V DC permissible) |
| Power consumption: | max. 6W |
| Fuses: | F1=T 500mA |

RS485 output

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| GMA bus: | RS485; Half-Duplex; galvanically isolated; max. 230400 Baud (for GMA200 relay module, control centre, PC, SPS or Gateway) |
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Response time

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| Readiness delay: | <50ms (see also update time of the gas measurement controller) |
| | <10s (extended by the respective gas measurement controller, if applicable) |

Relay outputs

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| Contacts: | 16 relays each with a changeover contact |
| Contact load capacity: | 3A/250V AC or 3A/30V DC |
| Minimum switching current: | 10mA |
| Minimum switching voltage: | 5V |
| Insulation clearances: | Basic insulation between the relays: 1&2, 2&3, 4&5, 5&6, 7&8, 8&9, 10&11, 11&12, 13&14, 14&15 Double insulation between the relays: 3&4, 6&7, 9&10, 12&13, 15&16 |

Alarm acknowledgement inputs

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| Reset: | 0-3V DC (alarm acknowledgement occurs at contact with GND; U _{MAX} =30V DC) |
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USB connection

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| | Mini USB socket for device configuration with PC |
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Housing

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|-------------------|---|
| Attachment: | on mounting rail TS35 according to EN 60715 |
| Protection class: | IP20 |
| Material: | Kunststoff |
| Dimensions: | 162 x 97 x 62mm (B x H x T) |
| Weight: | ca. 410g |

Cable junction

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| Cable: | 2-4 wires 0,5-1,5mm ² LiYY, NYM (for GMA200-RT/RTD supply) 2wires 1x2x0,22mm ² BUS-LD (for GMA bus at length>10m) |
| Terminal blocks: | 0,08..2,5mm ² cross section |

Approvals / Tests

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|--------------------------------|---------------|---|
| Electromagnetic compatibility: | EN 50270:2015 | (Interference emission: type class I, interference immunity: type class II) |
| Electrical safety: | EN 61010:2010 | (Pollution degree 2, overvoltage category III for relay contacts) |