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

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

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

RS485 output

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

Response time

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

Relay outputs

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

Reset:	0-3V DC (alarm acknowledgement occurs at contact with GND; U_{MAX}=30V DC)

USB connection

Mini USB socket for device configuration with PC

Housing

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

Cable:	2-4 wires 0,5-1,5mm² LiYY, NYM (for GMA200-RT/RTD supply) 2wires 1x2x0,22mm² BUS-LD (for GMA bus at length>10m)
Terminal blocks:	0,08..2,5mm² cross section

Approvals / Tests

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)

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