

## Produktinformation

# Display GIA 0420 N



- Self-supplying, no additional auxiliary supply necessary
- Freely scalable
- Integrated self-diagnostic

### Characteristics

The GIA 0420 is a microprocessor-controlled displaying device for 4..20 mA standard signals.

Any transmitter (with 4..20 mA output) can be connected to the device. The range adjustment of the GIA 0420 to the transmitter is done by entering the initial and final value and the decimal point position. No additional auxiliaries are needed for this adjustment, but the three buttons on the back side of the device.

The GIA 0420 doesn't need a separate auxiliary supply but is directly supplied by the measuring current. It has an integrated self-diagnostic which checks the device that it works correctly. This self-diagnostic together with the transmitter's check for "sensor break" and "sensor short circuit" and range exceeding or falling below ensures an optimum of operational reliability.

### Technical data

#### Measuring input

Input signal : 4..20 mA (2-wire)  
 Accuracy :  $\pm 0.2\%$  FS  $\pm 1$  digit  
 Measuring rate : 5 measurements / seconds  
 Voltage load : 3,5 V  
 Power supply : self-supplying: devices is supplied directly from measuring current

Working temperature : 0..50 °C  
 Filter : adjustable in 3 stages  
 Switching output : 1x electrically isolated open collector switching output  
 Storage : min- / max-memory via buttons

#### Display

Display : LCD display  
 Height : 10 mm  
 Display range : -1999..+9999 digit  
 initial and final value adjustable

Connection : 2-pole screw / clamp terminals,  
 max. cross section up to 1.5 mm<sup>2</sup>

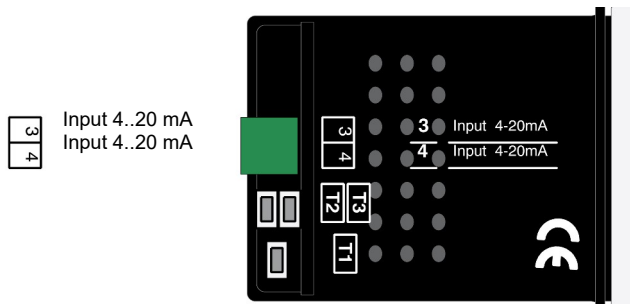
Housing : fibre-reinforced Noryl,  
 front screen made of polycarbonate

Protection class : front IP54


### Dimensions

Housing : 24 x 48 x 65 mm (H x W x D)  
 Panel cutout : 21.7 x 45 mm [ $\pm 0.5$  mm] (H x W)

### Connection diagram



### Design type

010N	Input signal: 0..20 V (3-wire) Input resistance: approx. 100 kOhm Power supply: 12..28 V, < 10 mA
ex 	with ATEX protection for explosive areas

### Ordering code

GIA  1. -  2.

1.	<b>Design type</b>	
	0420N	Display 0..20 mA
	010N	Display 0..10 V
	0420N-ex	Display 0..20 mA with Ex-protection
	010N-ex	Display 0..10 V with Ex-protection
2.	<b>Option</b>	
	00	without option