GN 801.3 | Sensor Holders

Stainless Steel, for Toggle Clamp with Horizontal Base, with / without Sensor

Ganter Norm®

Type **V**

Type **H**

Alternative mounting side

SPEEDY BLOCK

Rost frei® Inox Stainless Steel

2 Type

V For toggle clamp with vertical tension lever

H For toggle clamp with horizontal tension lever

3 Identification no.

1 With proximity sensor

2 Without proximity sensor

| Size | b ≈ | | h ≈ | | Length l ≈ | | For toggle clamp | |
| | | | | | | | GN 810, GN 810.3 | GN 820, GN 820.3 |
	Type V	Type H	Type V	Type H	Type V	Type H	Type V	Type H
130	40,9	45,4	40	41	52	48	130	130
230	48,1	52,1	44	45	54	50	230	230

Specification

Retaining bracket / Retaining plate
Stainless steel AISI 304

Setting nuts
Stainless steel AISI 304

Socket cap screws / Washers / Nuts
Stainless steel

Proximity sensor at identification no. 1
• Housing, stainless steel AISI 304
• Inductive, 3-pole, PNP contact
• Thread M8 x 1
• Operating temperature -25 °C to +80 °C

RoHS

Accessory	Page
GN 330 Cables with Connector Coupling (3-pole, 2 or 5 meters long)	QVX

Sensor holders GN 801.3 are designed as accessories for GN 810 and GN 820 series toggle clamps and enable contactless monitoring of the clamping positions using an inductive sensor.

When the clamping lever is in clamping position, the sensor electronics provide a high signal, e.g. to a machine control unit, and additionally indicate this switch status with an LED on the sensor.

Operating errors can thus be reliably detected and process reliability increased.

The sensor holder can be retrofitted to toggle clamps and mounted on the right or left, depending on the installation situation of the toggle clamp. All parts are supplied unmounted as a set. The proximity sensor is not included in the scope of delivery of identification no. 2.

How to order		1	Size
GN 801.3-130-V-1		2	Type
		3	Identification no.

Ganter Norm®

Assembly Instruction

Proximity sensor Retaining plate Alternative mounting side

Setting nuts

Retaining bracket
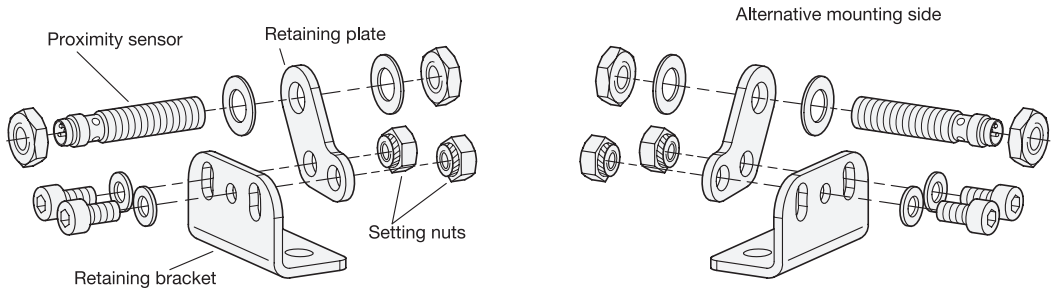
Sensor holders can be mounted on the left or right of the toggle clamp. To do this, the setting nuts must be tightened on the left or right of the retaining plate, to secure them against rotation and loss. This facilitates the further assembly of the sensor holder and the adjustment of the sensor. Subsequent changing of the mounting side is not intended.
The sensor is inserted into the bore in the retaining bracket according to the selected mounting side and the depth is adjusted and fastened using the nuts in such a way that the clamping lever reliably switches it in the clamping position.

Electrical properties of the inductive proximity sensor		
Output function	Normally open (NO)	
Output type	PNP	
Supply voltage	10 ... 36 V DC	
Continuous current I_a	≤ 150 mA	
Connection type Connector	3-pole connector M8x1	
Protection type	IP 67	
Switching frequency	Max. ≤ 2.000 Hz	
Power consumption	≤ 16 mA	
Voltage drop	≤ 2,5 V	
Protection class	III	
Switching distance S_n	2 mm	
Operating temperature	-25 °C ... +80 °C	
Shock and vibration resistance	30 g, 11 ms / 10 ... 55 Hz, 1 mm	
EMC	According to EN 60947-5-2	
Reverse polarity protection	Yes	
Short-circuit protection	Yes	
Activation impulse suppression	Yes	
Approvals, conformity declarations CE marking UL		