

Contact Free Operated Signal Devices With Housing

EExi - Slotted Proximity

The slotted sensor unit converts the end positions or middle positions of the actuator into electrical signals. The slotted sensor is commonly used in the chemical industry and generally in applications requiring explosion protection. But 2-wire technology is also increasingly applied in mechanical engineering.

The slotted proximity sensor is intrinsically safe because of the low potential. There is no need for an additional explosion protection installation.

The spring coupling compensates for any irregularities in the mount bracket and guarantees a positive location in the actuator shaft.

An additional yellow arrow high visibility position indicator displays the position of the actuator. The fully adjustable serrated cams are locked together to ensure that the adjusted setting is secured against any vibration.



ADVANTAGES

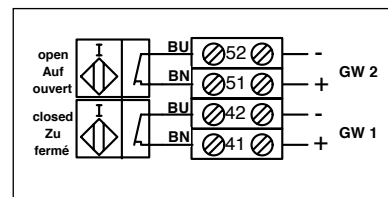
- The end position can be damped or undamped
- high switching precision through a large disc diameter
- switching positions can be adjusted independently.

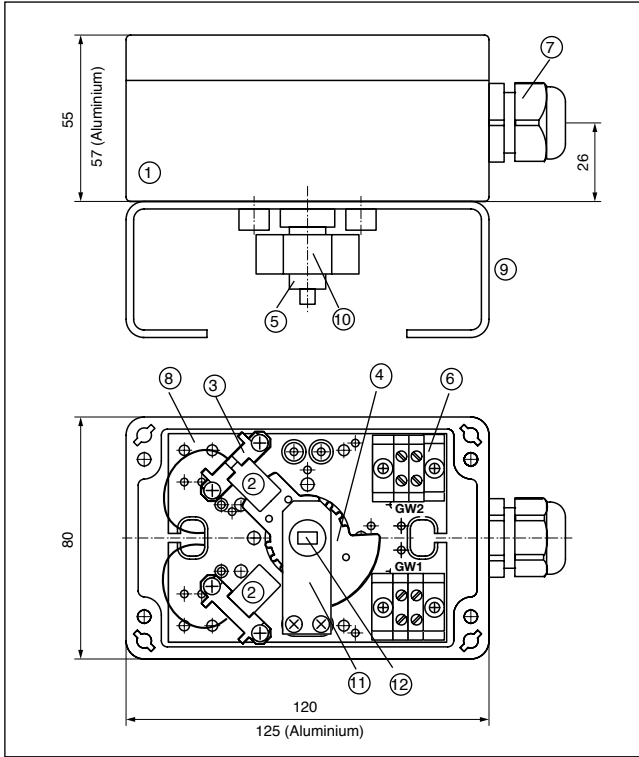
TECHNICAL DATA

Manufacturer:	Pepperl + Fuchs	Pepperl + Fuchs
Type:	SJ 3,5 N slotted sensor, NC, Namur (DIN 19 234)	SJ 5 N
Nom. voltage:	8 V DC	8 V DC
Working voltage:	5 .. 25 V DC	5 .. 25 V DC
Output:	short-circuit proof undamped ≥ 3 mA, damped ≤ 1 mA	
Housing:	Makrolon, light grey (Polycarbonate with clear cover) Vestamid, black (shock proof polyamide 6.6) optional with a window of polycarbonate Aluminium, industrial grey (GD AL SI 12)	
Sealing:	Silicon (optional neoprene)	
Ingress protection:	sensor: IP 67, housing: IP 65	
	acc. to IEC 529 / DIN 40 050	
Switching precision:	$\leq 0.5^\circ$	
Cable gland:	M20 x 1.5	
Temp. range:	- 25 to + 70 °C	



WIRING DIAGRAM





Pos.	Pcs.	Description	Material
1	1	Housing	optional
2	2	Slotted sensor	-
3	2	Plate SJ	PA 6
4	2	Switch cam	A2
5	1	Axis standard	A2
6	2	Terminal block, 2 poles	-
7	1	Cable gland	-
8	1	Mounting plate	PA 6
9	1	Bracket, size 1-4	A2 or PA
10	1	Position indicator	PE
11	1	Plate	Steel, nickel p.
12	1	Axis, long	PE

Brackets chapter A5

Ordering information

ET-module with microswitch (without bracket)

PF 3 N A AZ

Display : A = Open
Z = Closed

Body material : M = Makrolon
A = Aluminium
V = Vestamid
VF = Vestamid with window

Type : N = ... - N
S = ... - SN

Slot size : 3 = 3,5mm
5 = 5mm

Make : PF = Pepperl + Fuchs
TU = Turck