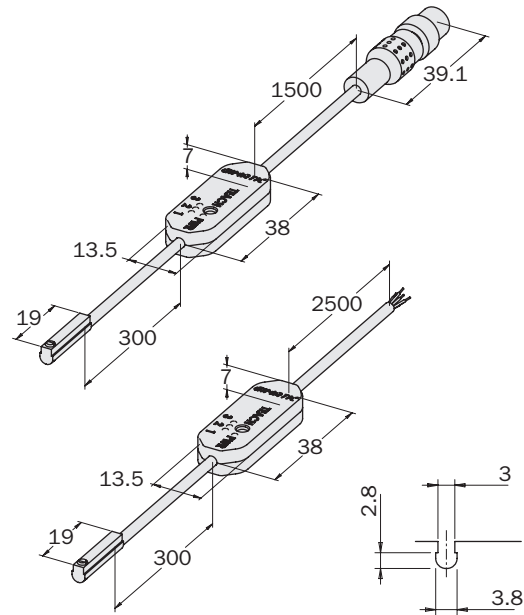


Programmable Pro SSR magnetic sensors

- Programmable GMR sensors.
- 3 digital outputs, 2 of which are programmable.
- Each programmable output in NO or NC logic.
- Versions available with PNP or NPN outputs.
- Cable or M8 connector output.
- 100% traceability.
- Standard C-slot inline mounting.
- Optional K-SENS slot adaptors.
- Optional 2.5m, 5m and 10m cable extension.
- Axial mounting.



Application examples

Dimensions (mm)

SGS...



GW...



OFR...



PB..



Sensor with cable	PRO-SSR4N225-G	PRO-SSR4M225-G
Sensor with M8 connector	PRO-SSR3N215-G	PRO-SSR3M215-G
Output type	PNP	NPN
Sensing head material	Glass fibre-reinforced nylon	
Power supply	6-30 Vdc	
Switching current (per output)	0.2 A	
Power rating (ohmic load)	6 W	
Maximum magnetic induction	150 G	
Minimum magnetic induction	10G	
Magnetic hysteresis	±5 G	
Maximum stroke	± 30 mm	
Maximum operating frequency	3 Hz	
Permitted temperature range	-20-60°C	
Mass	35 g	
Electrical connection	free cables 5x28 AWG or M8 8-pole male connector	
Polarity reversal protection	Yes	
IP rating	IP54	
Output signals	3 digital PNP or NPN depending on the order code	
CE reference standard	CEI EN 60529; CEI EN 60947-5-2; CEI EN 61000-6-2; CEI EN 61000-6-3; CEI EN 55022; CEI EN 61000-4-2; CEI EN 61000-4-3; CEI EN 61000-4-4; CEI EN 65000-4-5; CEI EN 61000-4-6; CEI EN 61000-4-8; CEI EN 61000-4-11	
Standard cable length	free cable 5x28 AWG, 2.5 m or 1.5 m long cable with M8 8-pole male connector	
Wiring diagram	<p>PNP circuit</p>	<p>NPN circuit</p>
Connections	<p>5 wires</p> <p>39,10</p> <p>1,0</p> <p>6 (N.C.)</p> <p>7 (N.C.)</p> <p>8 (N.C.)</p> <p>1 BROWN</p> <p>2 WHITE</p> <p>3 BLUE</p> <p>4 BLACK</p> <p>5 GREY</p> <p>6 N.C.</p> <p>7 N.C.</p> <p>8 N.C.</p>	

The sensor's remote programming circuit features a button for the configuration and programming of outputs. Following a simple procedure the user can configure each individual output as normally open (N.O., yellow colour of the led) or normally closed (N.C., green colour of the led) and store the operating point of the first two outputs. The third non-programmable output is activated when it detects a position that is different from the two previously set outputs [1]. For this type of sensors, the ideal position of the sensing head is halfway of the actuator stroke.

