

**Picture:** sns/rs/i2 Adapter 0.2-1 mA

The adapter *sns/rs/i2* converts the resistance of a potentiometer to a proportional current (0.2-1mA). The transmitter is connected to an 140mm long cable with an M12 female connector. A *conm* connector connects it to the controller. Only pins 1 and 2 are used since current supply is provided by the 0.2mA. If pin 2 is not connected, an output signal between 1.1 and 1.2mA is produced.

M12 connector	
1	potentiometer A
3	pick-up
4	potentiometer B
<i>conm</i> connector	
1	+UB 12 VDC
2	current output

Power supply	12 VDC (10-30 VDC)
Degree of protection	IP68
Temperature Range	-20 to 60°C
Input	Potentiometer 20-1000kΩ
Output	0.2 - 1mA (Open Pick-Up: >1.1mA)
Precision	1%
Approval ATEX	EX I M1 EEx ia I, INERIS 03ATEX0116
Approval Russia	РОСС DE.ГБ05.В01024 NANIO CCVE PPC BA-13670 Gosgortekhnadzor

### Input parameters

Reed rod type	$U_i$	$I_i$	$L_i$	$C_i$
adapter	13.2 V	2 A	0	1 μF in series with 199.6 Ω

### Applications

In the reed rod *sns/rs* reed contacts and resistors are placed in a chain. Using a ring magnet as pick-up, the reed rod works like a potentiometer. The adapter *sns/rs/i2* includes a converter, which transforms the resistance of the potentiometer to a proportional 2-wire current signal.

Order Number	Release	Description
<i>sns/rs/i2</i>	2.1	Adapter 0.2-1 mA