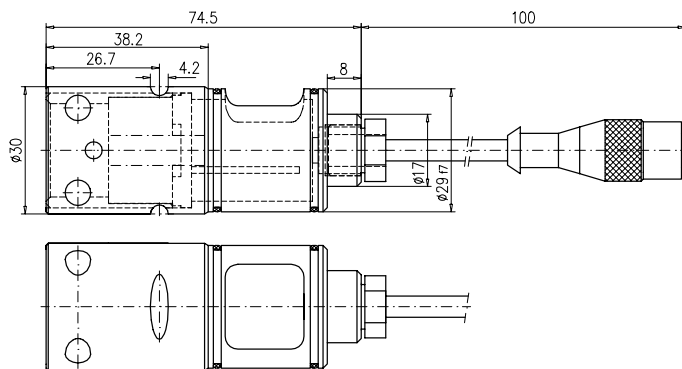


Picture: sns/rs/ih Adapter 0.2-1 mA



Picture: sns/rs/ih2 Adapter 0.2-1 mA

The adapter sns/rs/ih converts the resistance of a potentiometer to an appropriate current (0.2-1 mA). The transmitter is connected to a 140 mm long cable with an M12 female connector. The adapter is designed for reedrods made according to the 50 kOhm/m "Hemscheidt standard".

A *conm* connector connects it to the controller. Only pins 1 and 2 are used since current supply is provided by the 0.2 mA.

If pin 2 is not connected, an output signal between 1.1 and 1.2 mA is produced.

The *sns/rs/ih2* adapter is electronically identical to *sns/rs/ih*. Only the housing is different.

M12 plug	
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)
Input	potentiometer 20-1000 k Ω
Output	stroke cylinder in 0.2 mA stroke cylinder out 1 mA x nom. stroke/1000 mm (open pickup: >1.1 mA)
Temperature range	-20 to 60 °C
Protection class	IP68
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 μ F in series with 199.6 Ω

Application

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/ih* includes a converter, which transforms the resistance of the potentiometer to a proportional 2-wire current signal. This type of adapter is specially designed for 50 kOhm standard reed transducers.

Order Number	Release	Description
<i>sns/rs/ih</i>	2.1	Adapter 0.2-1 mA, rectangular housing
<i>sns/rs/ih2</i>	2.0	Adapter 0.2-1 mA, cylindrical housing