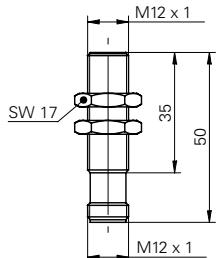


## Inductive distance measuring sensors

**IWRM 12U9705/S14**

### dimension drawing



### general data

mounting type	quasi-flush
measuring distance Sd	0 ... 4 mm
resolution	< 0,0005 mm (stat.) < 0,001 mm (dynam.)
repeat accuracy	< 0,005 mm
linearity error	± 160 µm
temperature drift	± 4 % (Full Scale)

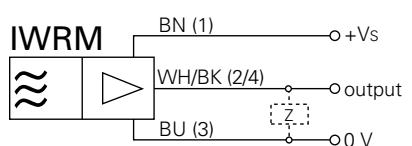
### photo



### electrical data

response time (factory characteristic)	< 30 ms
voltage supply range +Vs	15 ... 30 VDC
current consumption max. (no load)	20 mA
output circuit	voltage output
output signal	0 ... 10 VDC
load resistance	> 1000 Ohm
short circuit protection	yes
reverse polarity protection	yes

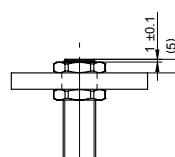
### connection diagram



### mechanical data

type	cylindrical threaded
housing material	brass nickel plated
dimension	12 mm
housing length	50 mm
connection types	connector M12

### installation drawing



### ambient conditions

operating temperature	-10 ... +70 °C
protection class	IP 67



- linearity deviation (S = 0,5...4 mm) ± 4% (Full Scale)