



Sd = 0 ... 2 mm

**ANALOG**

- Very high resolution
- Short response time



**general data**

mounting type	quasi shielded
measuring distance Sd	0 ... 2 mm
resolution	< 0,001 mm (stat.) < 0,005 mm (dynam.)
repeatability	< 0,02 mm
linearity error	± 100 µm
temperature drift	± 5% (Full Scale)

**electrical data**

response time (factory characteristic)	< 0,7 ms
voltage supply range +Vs	15 ... 30 VDC
short circuit protection	yes
reverse polarity protection	yes

**voltage output**

current consumption max.	25 mA
output signal	0 ... 10 VDC
load resistance	> 1000 Ohm

**current output**

current consumption max.	35 mA
output signal	0 ... 10 mA
load resistance +Vs min.	< 910 Ohm
load resistance +Vs max.	< 2400 Ohm

**mechanical data**

type	cylindrical smooth
housing material	stainless steel
dimension	6,5 mm

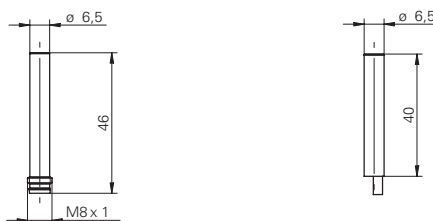
**ambient conditions**

operating temperature	10 ... +60 °C
protection class	IP 67

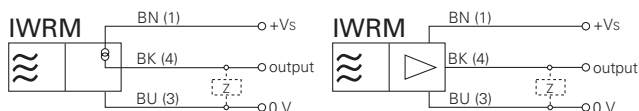
**accessories**

connectors	ESW 31S, ESG 32S
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**dimension drawings**



**connection diagrams**



IWRM 06 Sd = 0 ... 2 mm

Inductive distance measuring sensors *AlphaProx*

order reference	output circuit	housing length	connection types
IWRM 06I9501	current output	40 mm	cable
IWRM 06I9501/S35	current output	46 mm	connector M8
IWRM 06U9501	voltage output	40 mm	cable
IWRM 06U9501/S35	voltage output	46 mm	connector M8