



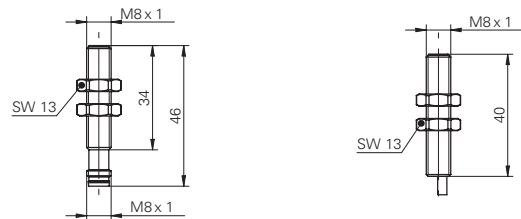
Sd = 0 ... 2 mm

- Very high resolution
- Short response time

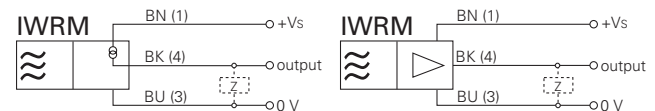


general data	
mounting type	quasi shielded
measuring distance Sd	0 ... 2 mm
resolution	< 0,001 mm (stat.) < 0,005 mm (dynam.)
repeatability	< 0,02 mm
linearity error	± 100 µm
temperature drift	± 5% (Full Scale)
electrical data	
response time (factory characteristic)	< 0,5 ms
voltage supply range +Vs	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 threaded
housing material	stainless steel
dimension	8 mm
ambient conditions	
operating temperature	10 ... +60 °C
protection class	IP 67
accessories	
connectors	ESW 31S, ESG 32S

dimension drawings



connection diagrams



order reference	output circuit	housing length	connection types
IWRM 08I9501	current output	40 mm	cable
IWRM 08I9501/S35	current output	46 mm	connector M8
IWRM 08U9501	voltage output	40 mm	cable
IWRM 08U9501/S35	voltage output	46 mm	connector M8