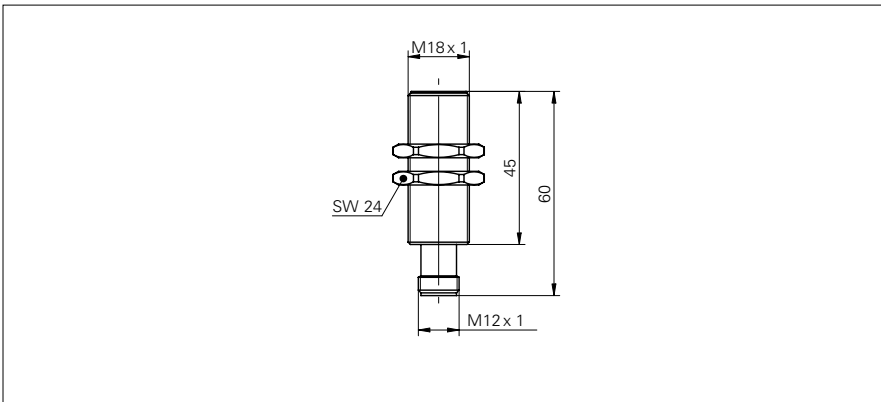


Inductive distance measuring sensors

IWRM 18U9704/S14

dimension drawing



general data

mounting type	quasi-flush
measuring distance Sd	0 ... 8 mm
resolution	< 0,005 mm (stat.) < 0,01 mm (dynam.)
repeat accuracy	< 0,015 mm
linearity error	± 400 µm
temperature drift	± 5 % (Full Scale)

electrical data

response time (factory characteristic)	< 2 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

mechanical data

type	cylindrical threaded
housing material	brass nickel plated
dimension	18 mm
housing length	60 mm
connection types	connector M12

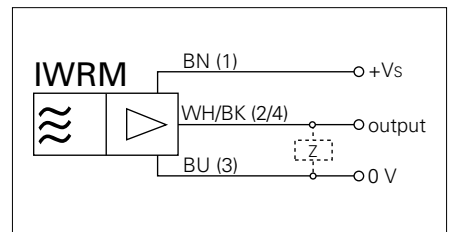
ambient conditions

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

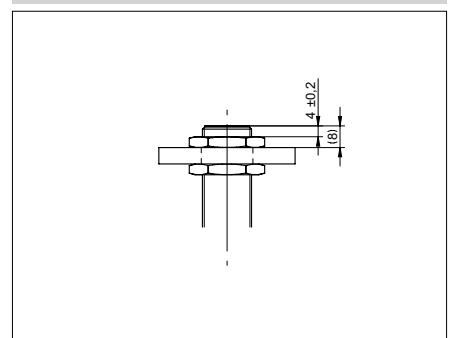
photo



connection diagram



installation drawing



• linearity deviation (S = 0,5...8 mm) ± 10% (Full Scale)

• deviation (S = 8 mm): ± 0,2 V 24/5/2016