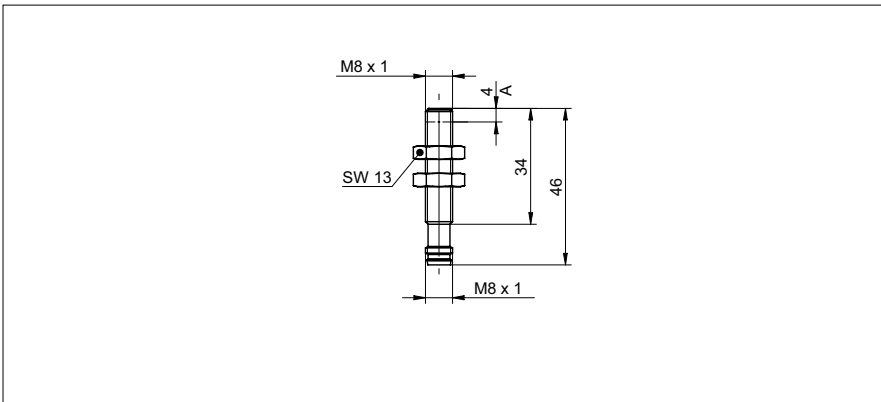


Inductive distance measuring sensors

IR08.D03L-11175999

dimension drawing



general data

mounting type	quasi-flush
special type	linearized
measuring distance Sd	0 ... 3 mm
sensitivity	3,33 V/mm
resolution	< 0,003 mm (stat.) < 0,009 mm (dynam., S = 0 ... 2 mm) < 0,018 mm (dynam., S = 0 ... 3 mm)
repeat accuracy	< 0,01 mm
adjustment	Teach-in
linearity error	± 10 µm (S = 0 ... 2 mm) ± 90 µm (S = 0 ... 3 mm)
temperature drift	± 2 % (Full Scale; S = 0 ... 2 mm) ± 6 % (Full Scale; S = 0 ... 3 mm)

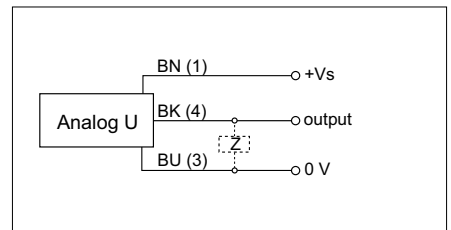
photo



electrical data

response time (factory characteristic)	< 2 ms
voltage supply range +Vs	12 ... 30 VDC
current consumption max. (no load)	12 mA
output circuit	voltage output
output signal	0 ... 10 VDC
load resistance	> 4000 Ohm
short circuit protection	yes
reverse polarity protection	yes

connection diagram



mechanical data

type	cylindrical threaded
housing material	stainless steel
dimension	8 mm
housing length	46 mm
connection types	connector M8
tightening torque max.	10 Nm (A: 7 Nm)

ambient conditions

operating temperature	-25 ... +75 °C
protection class	IP 67



- linear analog output
- magnetic Teach