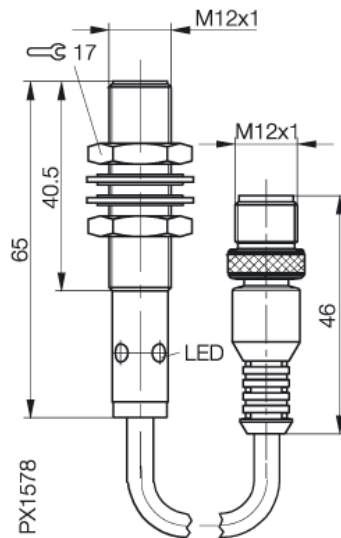


BAW M12MG2-UAC20B-BP00,2-GS04
Inductive Distance Sensors

0,5...2 mm
0...10 V



Electrical data:

Connection	cable with connector
Rated operational voltage DC	24 V
Rated insulation voltage (Ui)	250 AC
Electrical type	DC
No-load supply current I_0 at I_e	10 mA
Supply voltage ripple	15 %
Switching element function	0...10 V
Supply voltage max. (U_b)	30 V
Supply voltage min. (U_b)	15 V
Output voltage sI max	10 V
Output voltage sI min	0 V
Cutoff frequency (-3dB output amplitude)	500 Hz
Load resistance min (RL)	2000 Ohm
Output voltage at s_e	5 V
Temperature compensation	no
Linear range max (sl)	2 mm
Linear range min (sl)	0,5 mm
Non-linearity	$\pm 3 \mu m$
Output signal	0...10 V

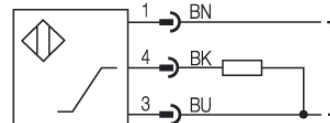
General data:

Supply voltage indicator	no
Degree of protection IP	IP 67
Insulation class	2
Polarity reversal resistant	yes
Protected against reversal	yes

Mechanical data:

Midpoint of linear range (s_e)	1,25 mm
Cable code designation	LifY-Y-11Y-0
Cable length	0,2 m
Connection type	M12x1-S04
Mounting	flush mountable
Surface treatment	nickel plated
Ambient temperature max (T_a)	70 °C
Ambient temperature min (T_a)	-10 °C
Sensing face material	PA 12
Housing material	CuZn
Cable sheath material	PUR
Repeatability	3 %
Cable diameter D	5,1 mm
Midpoint tolerance at s_e	$\pm 0,125$ mm
Working area max (s_a)	2 mm
Working area min (s_a)	0 mm
Adjustment indicator	yes
Working range	0,5...2 mm

Wiring:



Pinout:

