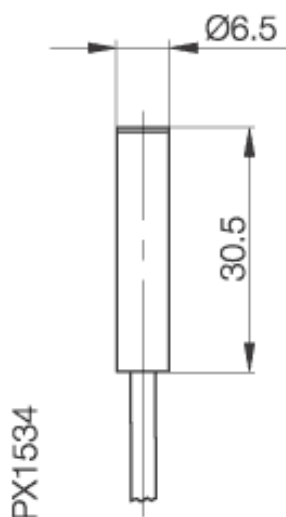


BAW G06EE-UAF20B-EP03-K
Inductive Distance Sensors

Working range 0,5...2 mm
Output signal 0...10 V



Electrical data:

Connection	cable
Rated operational voltage DC	24 V
Rated insulation voltage (Ui)	75 DC
Electrical type	DC
No-load supply current I _o at I _e	15 mA
Supply voltage ripple	10 %
Switching element function	0...10 V
Supply voltage max. (U _b)	26,4 V
Supply voltage min. (U _b)	21,6 V
Output voltage s _l max	10 V
Output voltage s _l min	0 V
Cutoff frequency (-3dB output amplitude)	1000 Hz
Load resistance min (R _L)	5000 Ohm
Output voltage at s _e	5 V
Load resistance min (R _L)	5000 Ohm
Temperature compensation	yes
UTemp typ at 25 °C	3.3 V
Linear range max (s _l)	2 mm
Linear range min (s _l)	0,5 mm
Non-linearity	±45 µm

General data:

Supply voltage indicator	no
Degree of protection IP	IP 67
Polarity reversal resistant	no
Protected against reversal	no

Mechanical data:

Ambient temperature min (T _a)	10 °C
Sensing face material	PBTP
Housing material	1.4034
Cable sheath material	PUR
Repeatability	3 %
Cable diameter D	3,5 mm
Working area max (s _a)	2 mm
Working area min (s _a)	0,5 mm
Time delay before available max	1 ms
Measurement velocity	10 m/s
Opt. working temperature max.	50 °C
Opt. working temperature min.	10 °C
Temperature coefficient max.	-3,0 µm/K
Temperature coefficient min.	1,0 µm/K
Temperature coefficient typ.	-1,0 µm/K
Temp. drift typ.	-9 mV/K
Repeat accuracy	±10,0 µm
Adjustment indicator	no
Midpoint of linear range (s _e)	1,25 mm
Cable code designation	LiY-11Y-0
Cable length	3 m
Mounting	flush mountable
Ambient temperature max (T _a)	60 °C

Wiring:

