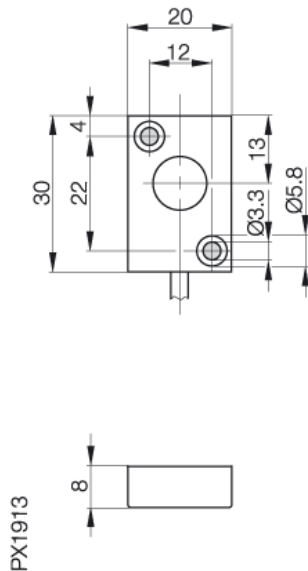


BAW R06AC-UAF20B-EP03
Inductive Distance Sensors

0,5...2 mm
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 se	5 V
Temperature compensation	no
Linear range max (s _l)	2 mm
Linear range min (s _l)	0,5 mm
Non-linearity	±45 µm
Output signal	0...10 V

General data:

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

Mechanical data:

Midpoint of linear range (se)	1,25 mm
Cable code designation	LifY-11Y-0
Cable length	3 m
Mounting	flush mountable
Surface treatment	Aluminium
Ambient temperature max (T _a)	60 °C
Ambient temperature min (T _a)	10 °C
Sensing face material	PBT
Housing material	Aluminium
Cable sheath material	PUR
Repeatability	3 %
Cable diameter D	3,1 mm
Midpoint tolerance at se	±0,125 mm
Working area max (s _a)	2 mm
Working area min (s _a)	0 mm
Time delay before available max	0,5 ms
Measurement velocity	10 m/s
Opt. working temperature max.	50 °C
Opt. working temperature min.	10 °C
Temperature coefficient max.	2,0 µm/K
Temperature coefficient min.	-1,0 µm/K
Temperature coefficient typ.	0,5 µm/K
Repeat accuracy	±12,0 µm
Adjustment indicator	no
Working range	0,5...2 mm

Wiring:

