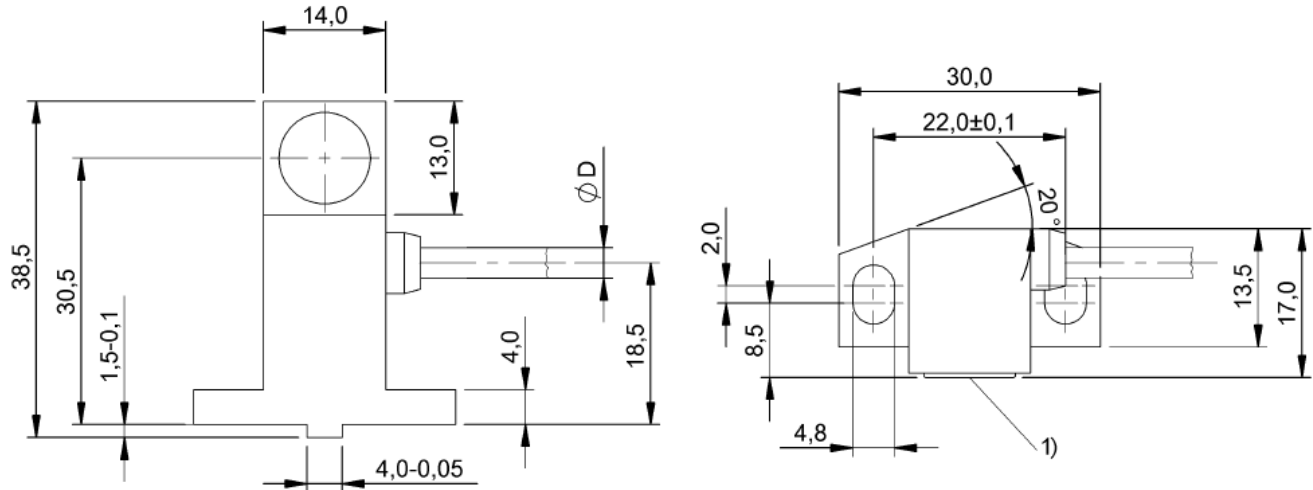


BAW Z01AC-UAD50B-DP03-K
Inductive Distance Sensors

Working range 1...5 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	12 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 s _l max	10 V
Output voltage s _l min	0 V
Cutoff frequency (-3dB output amplitude)	1000 Hz
Load resistance min (R _L)	2000 Ohm
Output voltage at s _e	5 V
Load resistance min (R _L)	2000 Ohm
Slope U	2,50 V/mm
Temperature compensation	yes
UTemp typ at 25 °C	3.3 V
Linear range max (s _l)	5 mm
Linear range min (s _l)	1 mm
Non-linearity	±120 µm

General data:

Supply voltage indicator	no
Degree of protection IP	IP 67
Polarity reversal resistant	no
Protected against reversal	no
Approval	CE, cULus

Mechanical data:

Midpoint of linear range (s _e)	3 mm
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	PA 12
Housing material	Aluminium
Cable sheath material	PUR
Repeatability	1 %
Cable diameter D	3,5 mm
Working area max (s _a)	5 mm
Working area min (s _a)	1 mm
Time delay before available max	1 ms
Measurement velocity	5 m/s
Opt. working temperature max.	50 °C
Opt. working temperature min.	10 °C
Temperature coefficient max.	-20,0 µm/K
Temperature coefficient min.	7,0 µm/K
Temperature coefficient typ.	-3,0 µm/K
Temp. drift typ.	-9 mV/K
Repeat accuracy	±10,0 µm
Adjustment indicator	no

Wiring:

