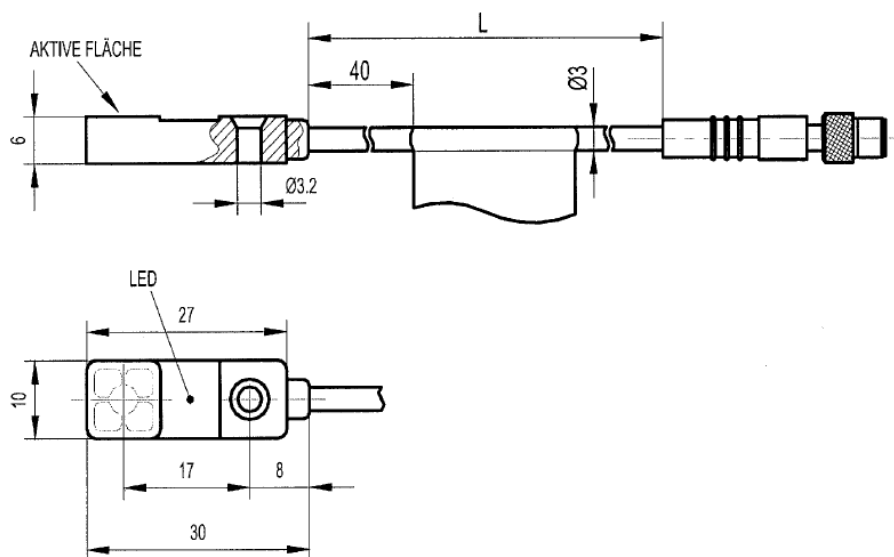


BAW R03KC-UAE40B-BP00,3-GS26
Inductive Distance Sensors

Working range 1...4 mm
Output signal 0...10 V



Electrical data:

Connection	cable with connector
Rated operational voltage DC	24 V
Rated insulation voltage (Ui)	75 DC
Electrical type	DC
No-load supply current I_0 at I_e	15 mA
Supply voltage ripple	10 %
Switching element function	0...10 V
Supply voltage max. (Ub)	26,4 V
Supply voltage min. (Ub)	21,6 V
Output voltage sI max	10 V
Output voltage sI min	0 V
Cutoff frequency (-3dB output amplitude)	1000 Hz
Load resistance min (RL)	5000 Ohm
Output voltage at s_e	5 V
Slope U	3,30 V/mm
Linear range max (sl)	4 mm
Linear range min (sl)	1 mm

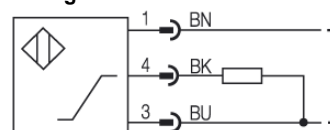
General data:

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 (se)	2,5 mm
Cable length	0,3 m
Connection type	M05x0.5-S26
Mounting	flush mountable
Ambient temperature max (Ta)	70 °C
Ambient temperature min (Ta)	0 °C
Sensing face material	PA 6
Housing material	PA 6
Cable sheath material	PUR
Repeatability	3 %
Cable diameter D	3 mm
Working area max (sa)	4 mm
Working area min (sa)	1 mm
Time delay before available max	0,5 ms
Measurement velocity	20 m/s
Opt. working temperature max.	60 °C
Opt. working temperature min.	10 °C
Temperature coefficient max.	7,0 $\mu\text{m/K}$
Temperature coefficient min.	1,0 $\mu\text{m/K}$
Temperature coefficient typ.	5,0 $\mu\text{m/K}$
Repeat accuracy	$\pm 35,0 \mu\text{m}$
Adjustment indicator	yes

Wiring:



Pinout:

