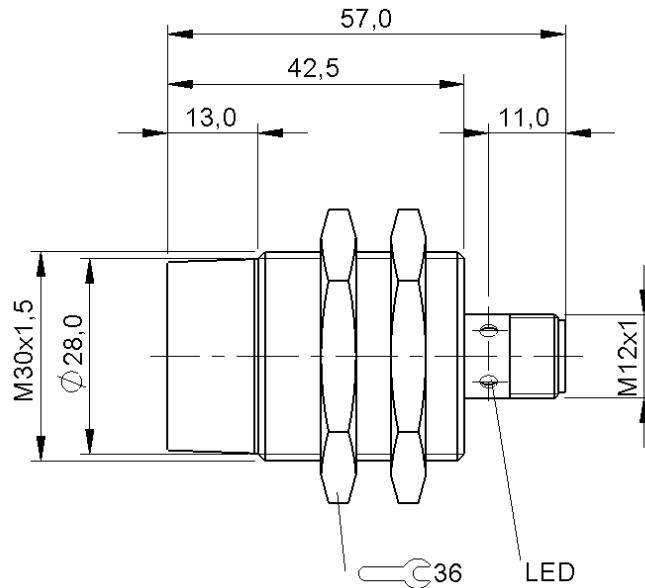


BAW M30ME-UAC15F-S04G
Inductive Distance Sensors

Working range 3...15 mm
Output signal 0...10 V



Electrical data:

Rated operational voltage DC	24 V
Rated insulation voltage (Ui)	250 AC
Electrical type	DC
No-load supply current I _o 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)	350 Hz
Load resistance min (R _L)	2000 Ohm
Output voltage at se	5 V
Temperature compensation	no
Linear range max (sI)	15 mm
Linear range min (sI)	3 mm
Non-linearity	±360 µm
Connection	connector

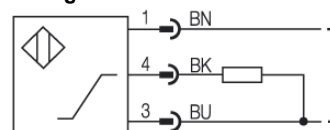
General data:

Supply voltage indicator	no
Degree of protection IP	IP 67
Insulation class	2
Recommended connector	BKS-_19/BKS-_20
Polarity reversal resistant	yes
Protected against reversal	yes

Mechanical data:

Midpoint of linear range (se)	9 mm
Connection type	M12x1-S04
Mounting	non flush mountable
Surface treatment	nickel plated
Ambient temperature max (Ta)	70 °C
Ambient temperature min (Ta)	-10 °C
Sensing face material	PBTP
Housing material	CuZn
Repeatability	3 %
Working area max (sa)	15 mm
Working area min (sa)	3 mm
Measurement velocity	10 m/s
Opt. working temperature max.	50 °C
Opt. working temperature min.	10 °C
Temperature coefficient max.	13,0 µm/K
Temperature coefficient min.	-3,0 µm/K
Temperature coefficient typ.	1,5 µm/K
Repeat accuracy	±12,0 µm
Adjustment indicator	yes

Wiring:



Pinout:

