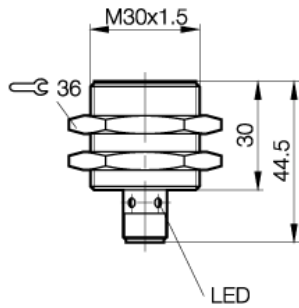


BAW M30ME-UAC10B-S04G
Inductive Distance Sensors

2...10 mm
0...10 V

BALLUFF
sensors worldwide



PX0326a

Electrical data:

| | |
|---|-----------|
| Connection | connector |
| 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 s _l max | 10 V |
| Output voltage s _l min | 0 V |
| Cutoff frequency (-3dB output amplitude) | 500 Hz |
| Load resistance min (R _L) | 2000 Ohm |
| Output voltage at s _e | 5 V |
| Temperature compensation | no |
| Linear range max (s _l) | 2 mm |
| Linear range min (s _l) | 10 mm |
| Non-linearity | ±240 µm |
| Output signal | 0...10 V |

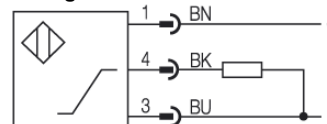
General data:

| | |
|-----------------------------|----------------------|
| Supply voltage indicator | no |
| Degree of protection IP | IP 67 acc. BWN Pr 14 |
| Insulation class | 2 |
| Recommended connector | BKS-_19/BKS-_20 |
| Polarity reversal resistant | yes |
| Protected against reversal | yes |

Mechanical data:

| | |
|--|-----------------|
| Midpoint of linear range (s _e) | 6 mm |
| Connection type | M12x1-S04 |
| Mounting | flush mountable |
| Surface treatment | nickel plated |
| Ambient temperature max (T _a) | 70 °C |
| Ambient temperature min (T _a) | -10 °C |
| Sensing face material | PBT |
| Housing material | CuZn |
| Repeatability | 3 % |
| Working area max (s _a) | 10 mm |
| Working area min (s _a) | 2 mm |
| Time delay before available max | 1,5 ms |
| Measurement velocity | 20 m/s |
| Opt. working temperature max. | 50 °C |
| Opt. working temperature min. | 10 °C |
| Temperature coefficient max. | 5,0 µm/K |
| Temperature coefficient min. | -1,0 µm/K |
| Temperature coefficient typ. | 1,5 µm/K |
| Repeat accuracy | ±10,0 µm |
| Adjustment indicator | yes |
| Working range | 2...10 mm |

Wiring:



Pinout:



www.balluff.com

Balluff Europe: +49 7158 173 -0
Balluff USA: 1-800-54 3-83 90
Balluff Asia: +86 21-50 64 41 31

Online Productinformation
2008-09-11