



AT

AT6/AN-1A

Ind.M30,NPN-NO,Cable,Sch-STD
M30 CYLINDRICAL INDUCTIVE SENSORS

OVERVIEW

- Wide range of models: standard, long distance
- Output: cable, M12 and plug cable exit
- Models with 2, 3, and 4 wires
- ATEX models, cat. 3, available on request
- Models with complementary output (NO + NC)
- Complete protection against electrical damages



TECHNICAL FEATURES

Detection properties

Nominal sensing distance	10mm
Operanting distance	0...8,1mm
Standard target	30x30mm FE360
Correction Factor	copper: 0,41 / aluminium: 0,47 / brass: 0,52 / stainless steel: 0,84
Thermal drift of Sr	< 10%

Repeat Accuracy	< 5% (UB 24V Ta=23°C ±5°C)
Hysteresis	1 ... 20%
Application	
Description	M30 short case flush mount
Functions	Proximity
Outputs	
Output type	NPN
Output Function	NO
Switching frequency	200Hz
Electrical data	
Operating Voltage	10...30Vdc
No-Load supply current	≤ 20mA
Load current	≤ 400mA
Leakage current	≤ 10µA
Output voltage drop	≤ 1V @400mA
Max ripple content	≤ 10%
LED indicators	Yellow LED output state
Time delay before availability	≤100ms

Short-circuit protection	Yes
Reverse Polarity Protection	Yes
Impulsive Overvoltage Protection	Yes
Protection against inductive loads	Yes

Mechanical data

Dimensions	M30 x 1,5 / L = 44mm
Mounting	Shielded
Material	Nickel-plated brass
Housing material	Nickel-plated brass
Weight	165g
Connections	2m PVC Cable
Active Head Material	PBT
Tightening torque	50Nm
Operating temperature	-25°C...+70°C
Diameter/Dimension	M30

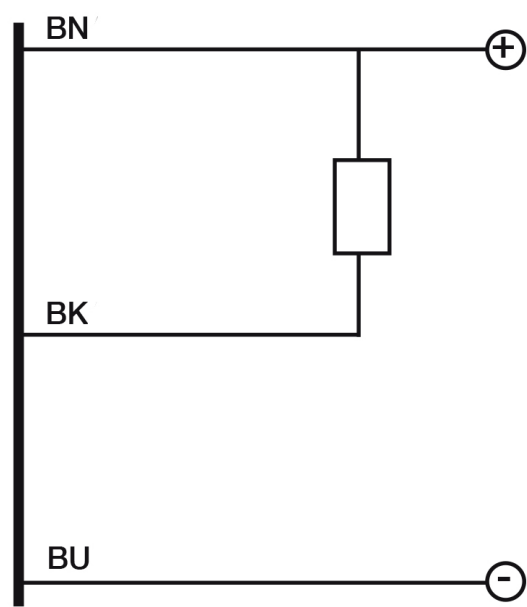
Test/Approvals

Approvals	CE cULus
EMC compatibility	IEC 60947-5-2
Shocks and vibrations	Vibration IEC 60068-2-6 / Shock IEC 60068-2-27

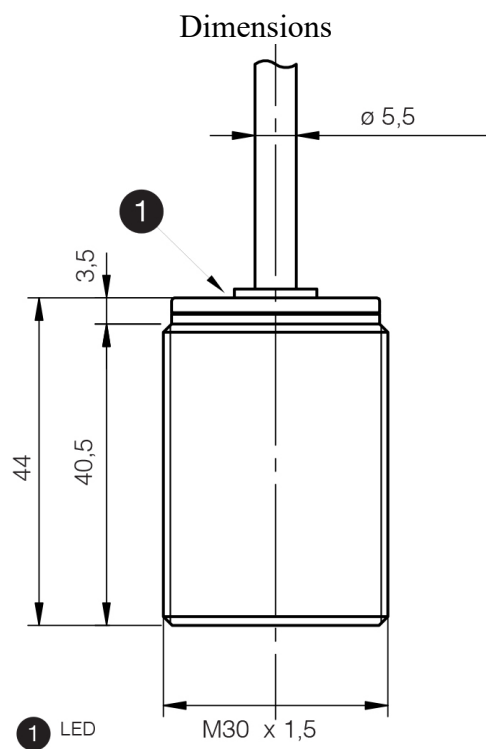
Degree of protection	IP67
Accessories	
Supplied Accessories	2 nuts M30x1.5
Generical Data	
Dimensions	M30 x 1,5 / L = 44mm
Operating Temperature	-25°C...+70°C
Mechanical Protection	IP67

CONNECTIONS

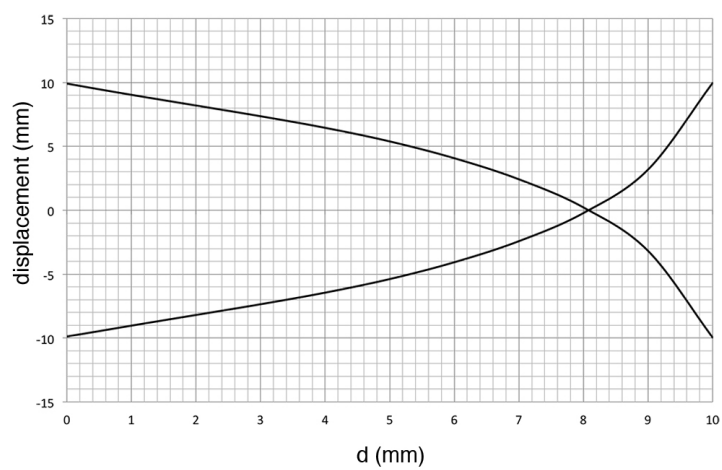
Eletrical diagram



OTHERS



Response curves



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