1.1

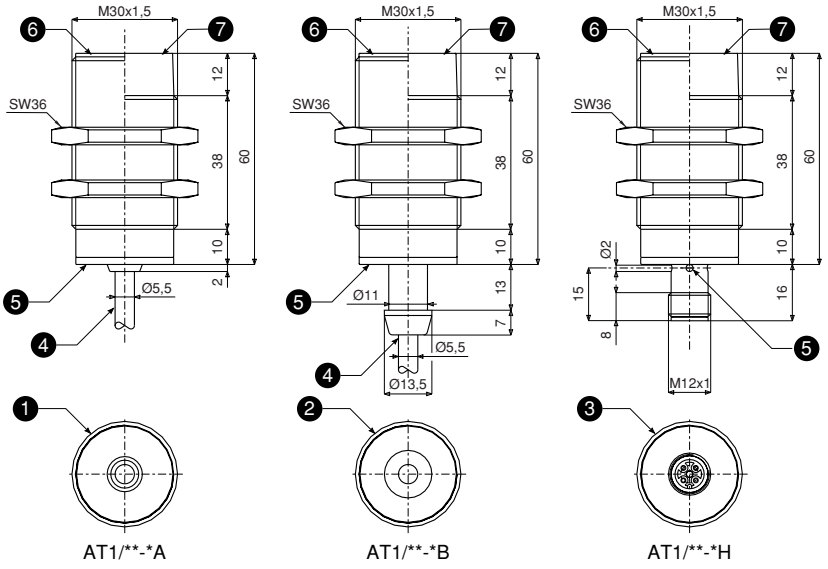
SERIE AT

Inductive proximity sensors
M30 - DC

- **Metal housing**
- **Axial cable exit with and without tang**
- **M12 metal plug cable exit**
- **LED status indicator 360° visible**
- **IP67 protection degree**
- **Complete protection against electrical damages**

CE

DIMENSIONAL DRAWING



Key

1	Axial cable exit
2	Axial cable exit with tang
3	M12 plug cable exit
4	Cable 4x0,34mm², Ø5,5mm, PVC, 2m
5	LED status indicator (NO output energized)
6	Shielded version
7	Unshielded version

Connectors series **CD** serie

Accessori series **ST** serie

ORDERING SYSTEM

A T 1 / A N - 1 A

serie			cable exit
M30 inductive proximity sensor	AT1	A	axial cable exit
output state		B	axial cable exit with tang
NO output state	A	H	M12 plug cable exit
NC output state	C		
logic			sensing range
NPN output	N	1	standard shielded 10mm
PNP output	P	2	unshielded 15mm

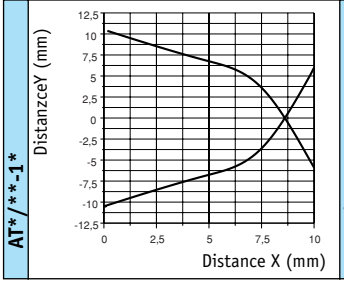
SPECIFICATIONS

Model	AT1/**-1*	AT1/**-2*
Nominal sensing distance Sn (1)	10mm	15mm
Operating distance	8,1mm (shielded), 12,1mm (unshielded)	
Differential travel	2...10%	
Repeat accuracy	2%	
Operating voltage	10-30Vdc	
Ripple	≤10%	
No-load supply current	20mA	
Load current	≤400mA	
Leakage current	£10µA	
Voltage drop	≤1V max.	
Output type	NPN or PNP NO or NC	
Switching frequency	200Hz	
Time delay before availability	100ms	
Supply electrical protections	polarity reversal, transient	
Output electrical protections	short circuit (autoreset)	
Temperature range	-25°...+70°C	
Temperature drift	10% Sr	
Protection degree (DIN 40 050)	IEC IP67	
LED indicators	Yellow (NO output energized)	
Housing material	nickel-plated brass	
Sensing face material	PBT	
Tightening torque	60Nm	
Weight (approx.)	180 (A, B type); 110 (H type)	

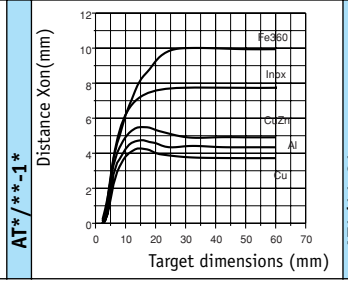
(1) with 30x30mm FE360 target.

CHARACTERISTIC CURVES

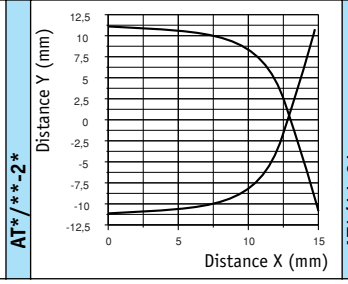
Detection area



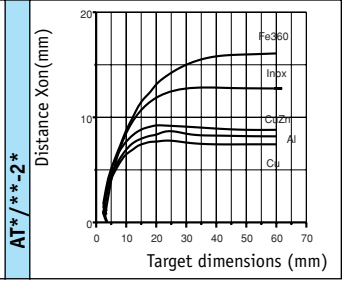
Distance / target size



Detection area

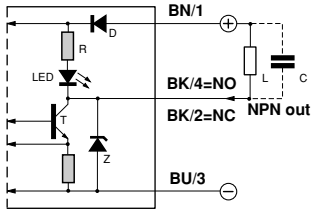


Distance / target size

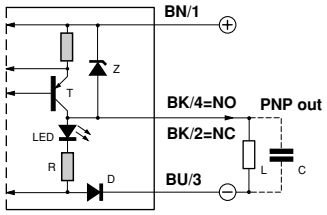


WIRING DIAGRAMS

NPN output



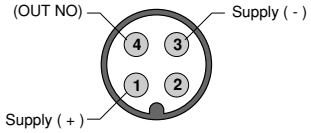
PNP output



The max. admissible capacity C = 1µF for max. output voltage and current.

CONNECTORS

NO **M12 (H type)**



NC **M12 (H type)**