CT1/AP-1A

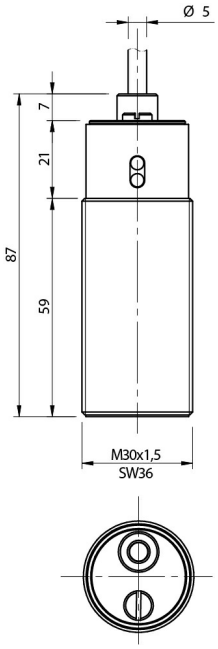
CT



Indicative image

M30 CYLINDRICAL CAPACITIVE SENSORS

- Sensitivity adjustment with trimmer
- Metal housing
- IP65 protection degree
- Complete protection against electrical damages
- Axial cable exit or M12 plug cable exit



CE

Detection properties

Nominal sensing distance	2...15mm
Thermal drift of Sr	< 20%
Repeat Accuracy	10%
Sensitivity adjustment	Yes
Hysteresis	≤ 20%

Outputs

Output type	PNP
Output Function	NO
Switching frequency	100Hz

Electrical data

Operating Voltage	10...30Vdc
No-Load supply current	≤ 8mA
Load current	≤ 200mA
Leakage current	≤ 10mA

Output voltage drop	0,75/1,8V max @ IL=10/200 mA
Max ripple content	≤10%
LED indicators	Green LED power, red LED (object detected)
Time delay before availability	≤100ms
Short-circuit protection	Yes, autoreset
Reverse Polarity Protection	Yes
Impulsive Overvoltage Protection	Yes

Mechanical data

Mounting	Shielded
Dimensions	M30 / L = 87mm
Weight	260g
Housing Material	Nickel-plated brass
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	IP65

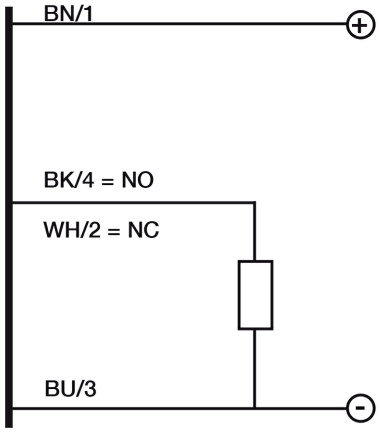
Accessories

Supplied Accessories	screw driver, 2 x M30 nuts

Generical Data

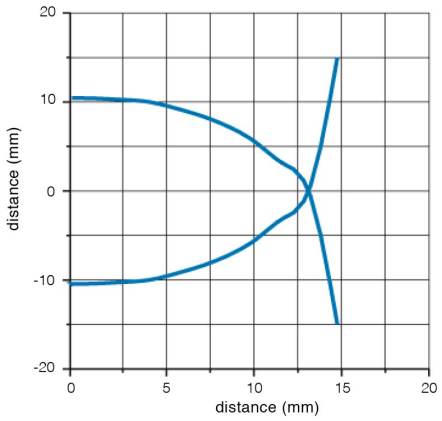
Dimensions	M30 / L = 87mm
Operating Temperature	-25°C...+70°C
Mechanical Protection	IP65

ELECTRICAL DIAGRAMS OF THE CONNECTIONS

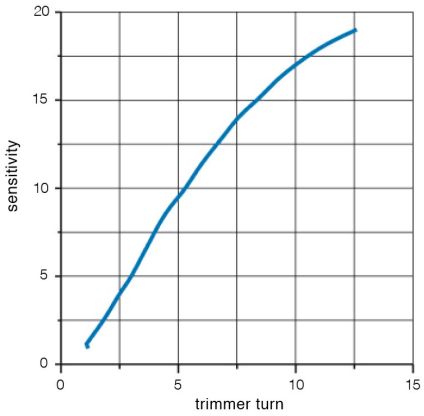


RESPONSE CURVES

Area di rilevamento



Regolazione della sensibilità



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