

Inductive AC



95B060770

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CYLINDRICAL INDUCTIVE SENSORS WITH ANALOGUE
OUTPUT

OVERVIEW

- Wide choice of sizes M8, M12 and M18
- Wide usable sensing ranges: 4 mm for M8, 6 mm for M12 and 10 mm for M18
- Excellent resolution (no digitalization)
- Excellent temperature stability at low distances
- Voltage and current output in the same device (M12 and M18 only)

TECHNICAL FEATURES

Detection properties

Nominal sensing distance	5mm
Operanting distance	0...4,05mm
Standard target	18x18mm FE360
Correction Factor	copper: 0,24...0,45 / aluminium: 0,3...0,45 / brass: 0,3...0,5 / staineless steel: 0,6...1
Repeat Accuracy	< 5% (UB 24V Ta=23°C ±5°C)
Hysteresis	< 10%

Application	
Description	M18 flush mount VAC type
Functions	Proximity
Outputs	
Output type	SCR
Output Function	NO
Switching frequency	25Hz
Response time	20
Electrical data	
Operating Voltage	20...250Vac/50...60Hz
No-Load supply current	≤ 0,7mA
Load current	500mA; inrush: 1,5A
Output voltage drop	≤ 4V @100mA
Max ripple content	≤ 10%
LED indicators	Yellow LED output state
Time delay before availability	< 300ms
Short-circuit protection	Yes
Reverse Polarity Protection	Yes

Emission	≥100kHz
Protection against inductive loads	Yes

Mechanical data

Dimensions	Ø18x56
Mounting	Shielded
Material	Nickel-plated brass
Housing material	Nickel-plated brass
Connections	2m PVC Cable
Active Head Material	PA16
Tightening torque	20Nm
Diameter/Dimension	M18

Test/Approvals

Approvals	CE cULus
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Accessories

Supplied Accessories	2 nuts M18x1
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Generical Data

Dimensions	Ø18 / L = 56mm
Operating Temperature	-25°C...+70°C
Mechanical Protection	IP67

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