

Inductive AC

95B060820



IS-30-A15-S2

**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	10mm
Operanting distance	0...8,1mm
Standard target	30x30mm FE360
Correction Factor	copper: 0,24...0,45 / aluminium: 0,3...0,45 / brass: 0,3...0,5 / staineis steel: 0,6...1
Repeat Accuracy	< 5% (UB 24V Ta=23°C ±5°C)
Hysteresis	< 10%

Application

Description

M30 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

$\leq 0,7\text{mA}$

Load current

500mA; inrush: 1,5A

Output voltage drop

$\leq 4\text{V @}100\text{mA}$

Max ripple content

$\leq 10\%$

LED indicators

Yellow LED output state

Time delay before availability

$< 300\text{ms}$

Short-circuit protection

Yes

Reverse Polarity Protection

Yes

Emission	≥100kHz
Protection against inductive loads	Yes

Mechanical data

Dimensions	Ø30x65
Mounting	Shielded
Material	Nickel-plated brass
Housing material	Nickel-plated brass
Connections	M12 Plug
Active Head Material	PA16
Tightening torque	40Nm
Diameter/Dimension	M30

Test/Approvals

Approvals	CE cULus
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Accessories

Supplied Accessories	2 nuts M30x1.5
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Generical Data

Dimensions	Ø30 / L = 65mm
Operating Temperature	-25°C...+70°C
Mechanical Protection	IP67

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