



# VK

## VK2/A0-2H

Ind.M18,2 wires AC-NO,M12  
Plug,Nsch-STD

CYLINDRICAL M18 IN AC INDUCTIVE SENSORS

## OVERVIEW

- Output: cable and M12 plug cable exit
- Models with 2 wires
- IP 67 protection degree
- Multivoltage 20 ...253 Vac



## TECHNICAL FEATURES

### Detection properties

Nominal sensing distance	8mm
Operanting distance	0...6,48mm
Standard target	24x24mm FE360
Correction Factor	copper: 0,40 / aluminium: 0,45 / brass: 0,55 / stainless steel: 0,95
Thermal drift of Sr	< 10%
Repeat Accuracy	< 5% (UB 24V Ta=23°C ±5°C)

Hysteresis	1 ... 20%
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#### Application

Description	M18 standard no-flush mount
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Functions	Proximity
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#### Outputs

Output type	TRIAC
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Output Function	NO
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Switching frequency	25Hz
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#### Electrical data

Operating Voltage	20...250Vac/50...60Hz
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Load current	5...300mA
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Leakage current	$\leq 1\text{mA RMS max}$
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Output voltage drop	See curves
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Max ripple content	$\leq 10\%$
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LED indicators	Yellow LED output state
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Time delay before availability	$\leq 200\text{ms}$
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Inrush current	7A (Ton = 10ms)
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#### Mechanical data

Dimensions	M18 x 1 / L = 73,8mm
Mounting	Unshielded
Material	Nickel-plated brass
Housing material	Nickel-plated brass
Weight	30g
Connections	M12 plug
Active Head Material	PBT
Tightening torque	25Nm
Operating temperature	-25°C...+70°C
Diameter/Dimension	M18

#### Test/Approvals

Approvals	CE UR
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 M18x1
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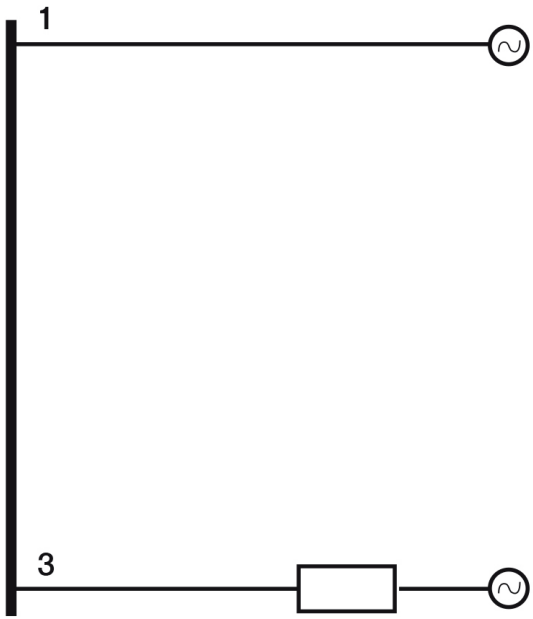
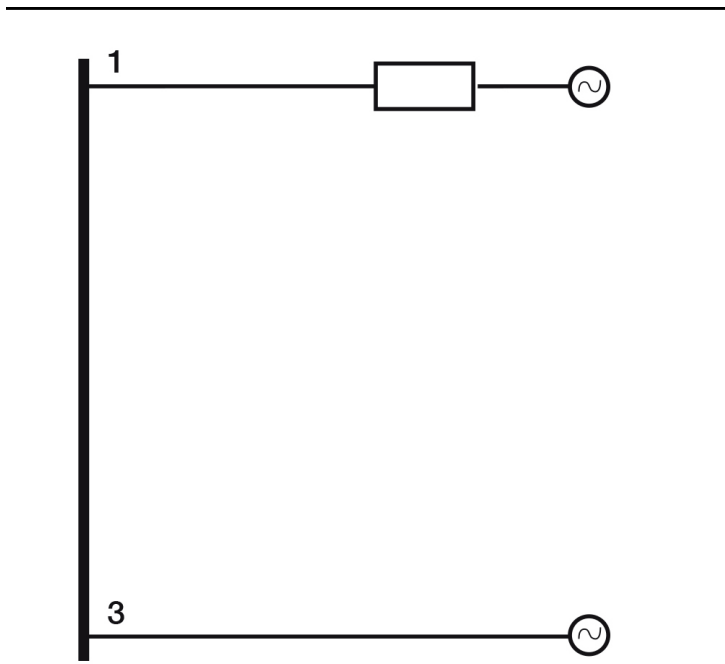
#### Generical Data

Dimensions	M18 x 1 / L = 73,8mm
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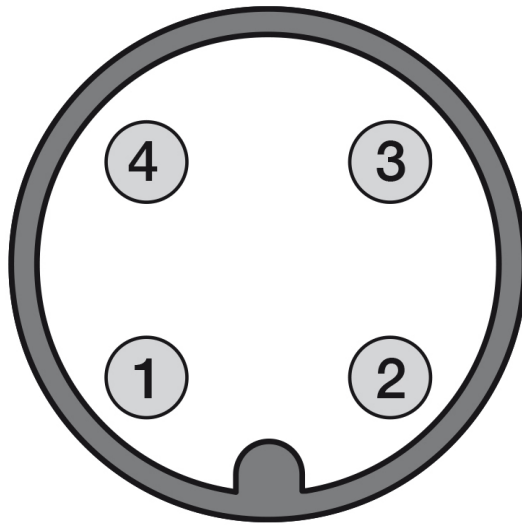
Operating Temperature	-25°C...+70°C
Mechanical Protection	IP67

## CONNECTIONS

Electrical diagram

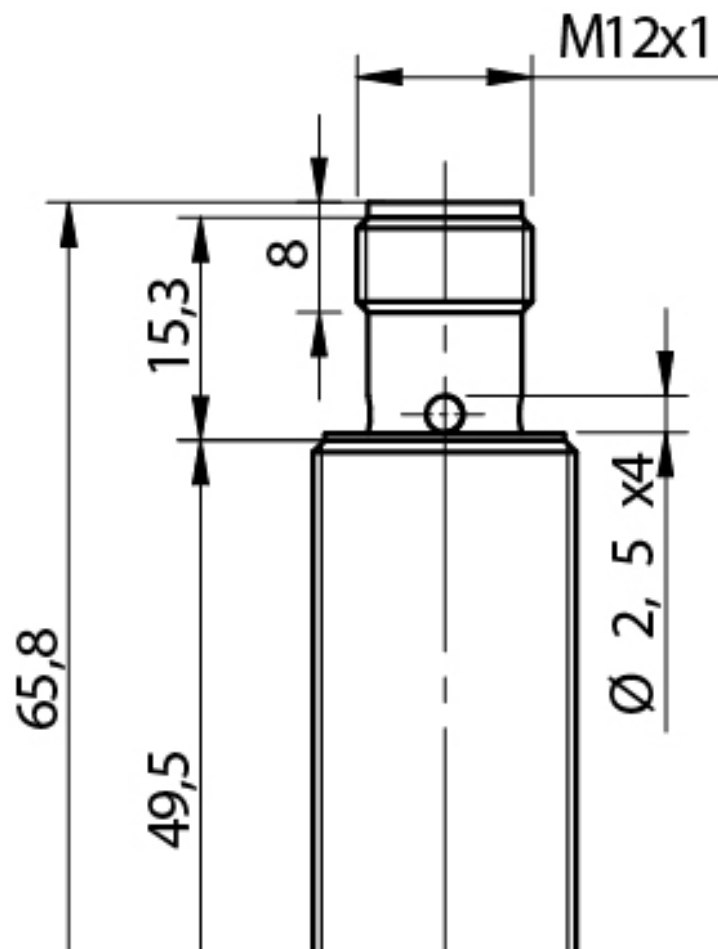


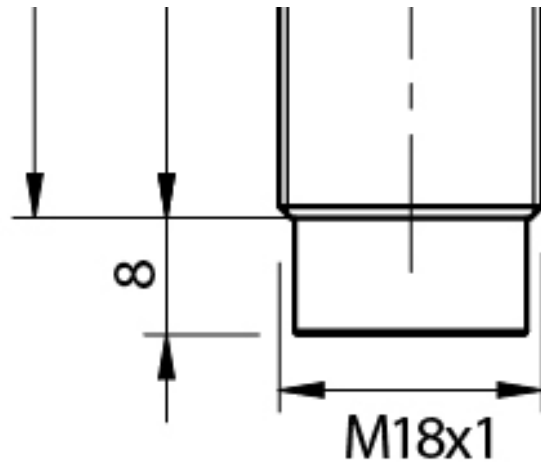
Connector



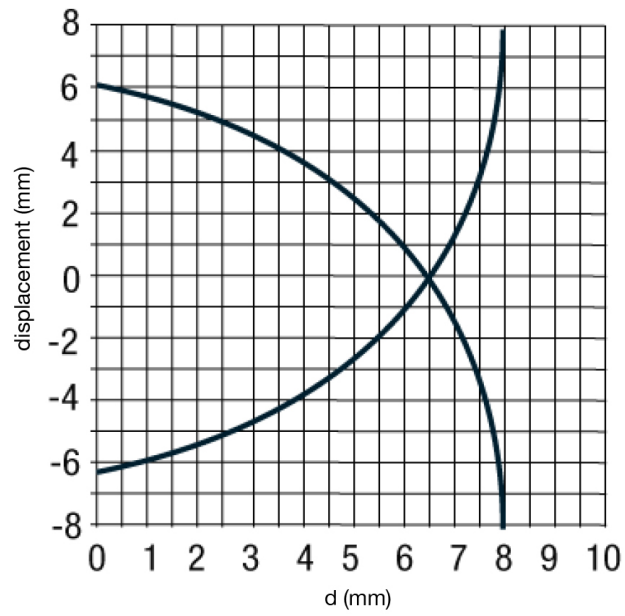
## OTHERS

Dimensions

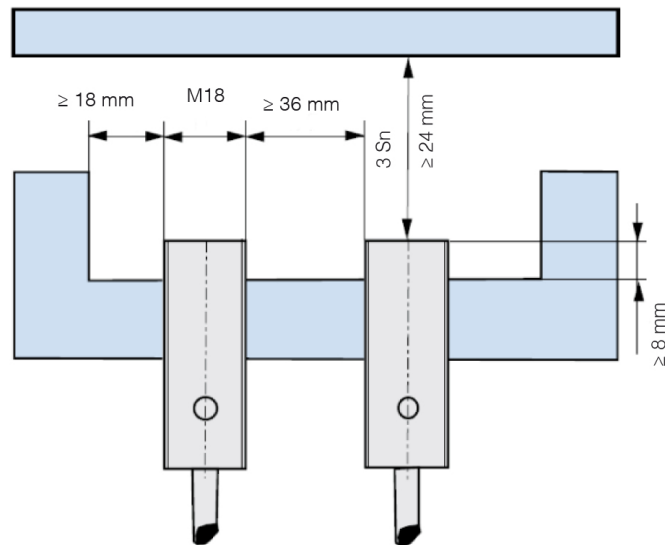




Response curves



Installation



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