

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%

Application

Description	M18 standard no-flush mount
Functions	Proximity

Outputs

Output type	TRIAC
Output Function	NO
Switching frequency	25Hz

Electrical data

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

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

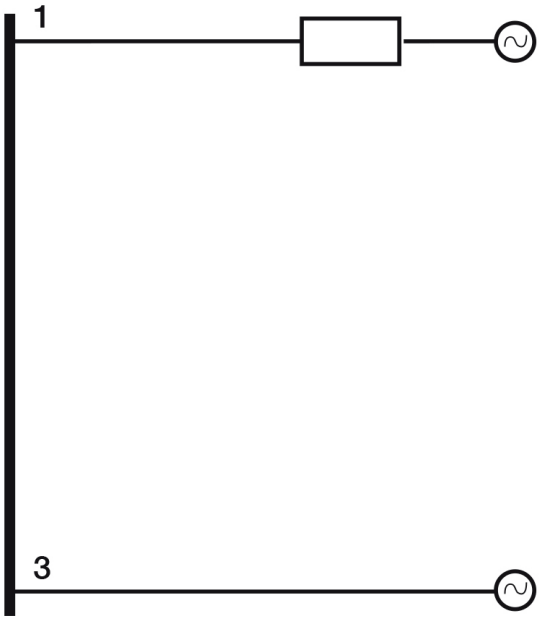
Generical Data

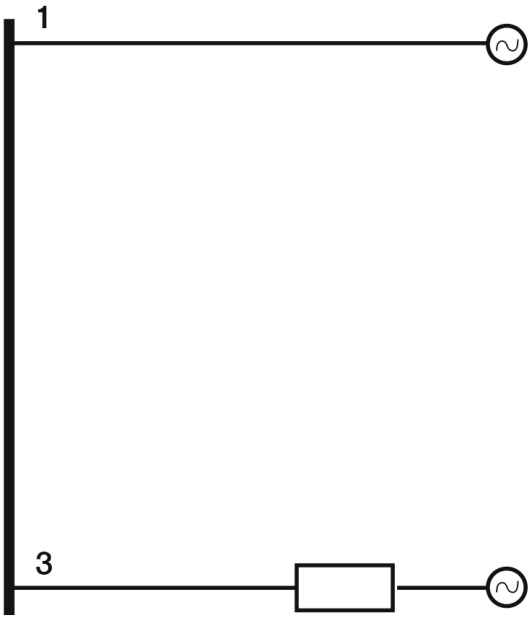
Dimensions	M18 x 1 / L = 73,8mm

Operating Temperature	-25°C…+70°C
Mechanical Protection	IP67

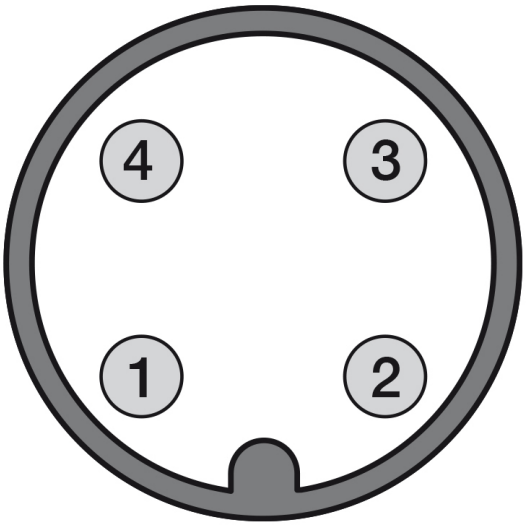
CONNECTIONS

Eletrical diagram



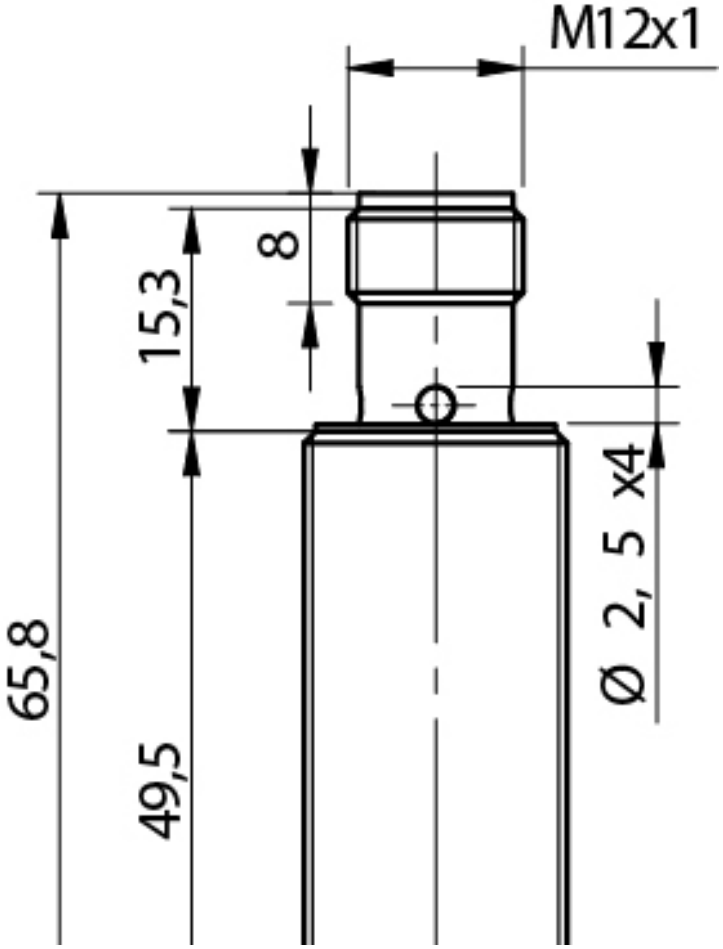


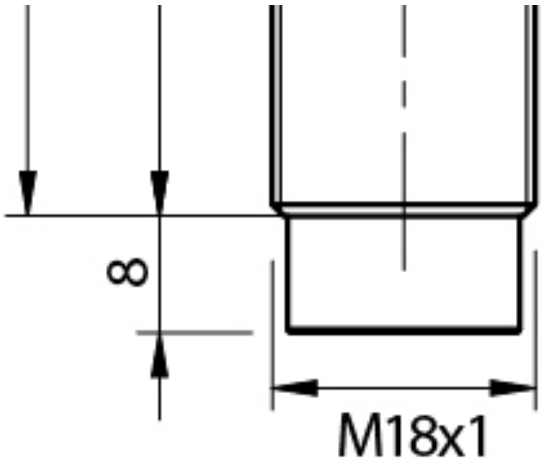
Connector

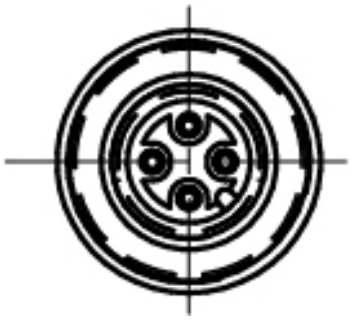


OTHERS

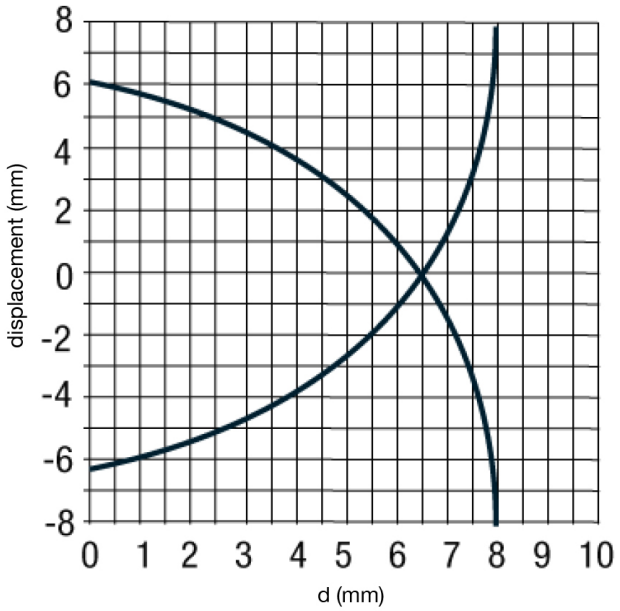
Dimensions



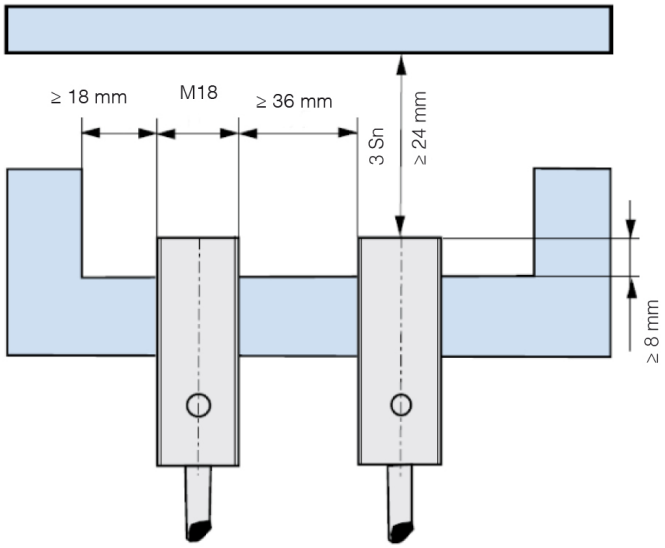




Response curves



Installation



Datasensing S.r.l.
Strada S.Caterina, 235
41122 Modena (MO)
Tel. 059 420411
Fax 059 253973
E-mail
info@datasensing.com

date of printing
04/11/2026
11:05:36