



# AK

## AK1/AP-2H4W

Ind.M18,PNP-NO,M12 Plug,Nsch-STD

## TECHNICAL FEATURES

### Detection properties

Nominal sensing distance	8mm
Operanting distance	0...6,48mm
Standard target	24x24mm FE360
Correction Factor	copper: 0,45 / aluminium: 0,53 / brass: 0,56 / stainless steel: 0,77
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	PNP
Output Function	NO
Switching frequency	600Hz

## Electrical data

Operating Voltage	10...30Vdc
No-Load supply current	$\leq 20\text{mA}$
Load current	$\leq 400\text{mA}$
Leakage current	$\leq 10\mu\text{A}$
Output voltage drop	$\leq 1\text{V @}400\text{mA}$
Max ripple content	$\leq 10\%$
LED indicators	Yellow LED output state
Time delay before availability	$\leq 50\text{ms}$
Short-circuit protection	Yes
Reverse Polarity Protection	Yes
Impulsive Overvoltage Protection	Yes
Protection against inductive loads	Yes

## Mechanical data

Mounting	Unshielded
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Material	AISI303 Stainless Steel
Housing material	AISI303 Stainless Steel
Connections	M12 Plug
Active Head Material	PBT
Tightening torque	25Nm
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

#### Accessories

Supplied Accessories	2 nuts M18x1
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#### Generical Data

Dimensions	M18 x 1 / L = 64mm
Operating Temperature	-25°C...+70°C
Mechanical Protection	IP67

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