



IL1

IL1/AN-3AVF80

Ind.10x28x16,NPN-NO,Pigtail M8,Sch-LD

TECHNICAL FEATURES

Detection properties

Nominal sensing distance	3mm
Operanting distance	0...2,4mm
Standard target	12x12mm FE360
Correction Factor	copper: 0,25 / aluminium: 0,28 / brass: 0,37 / stainless steel: 0,63
Thermal drift of Sr	< 10%
Repeat Accuracy	< 5% (UB 24V Ta=23°C ±5°C)
Hysteresis	1 ... 20%

Application

Description	10,3x28x16mm cubic flush mount
Functions	Proximity

Outputs

Output type	NPN
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Output Function	NO
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Switching frequency	3kHz
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Electrical data

Operating Voltage	10...30Vdc
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No-Load supply current	$\leq 10\text{mA}$
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Load current	$\leq 300\text{mA}$
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Leakage current	$\leq 0,12\text{mA}$
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Output voltage drop	$\leq 1,5\text{V @}100\text{mA}$
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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	$\leq 100\text{ms}$
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Short-circuit protection	Yes
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Reverse Polarity Protection	Yes
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Impulsive Overvoltage Protection	Yes
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Protection against inductive loads	Yes
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Mechanical data

Mounting	Shielded
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Material	PA
Housing material	PA
Connections	200mm PUR Cable + M8 Plug
Active Head Material	PA
Diameter/Dimension	10,3x28x16mm

Test/Approvals

Approvals	CE
EMC compatibility	IEC 60947-5-2
Shocks and vibrations	Vibration IEC 60068-2-6 / Shock IEC 60068-2-27

Generical Data

Dimensions	28 x 16 x 10,3 mm
Operating Temperature	-25°C...+70°C
Mechanical Protection	IP67

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