



### Basic features

<b>Approval/Conformity</b>	CE IECEX ATEX WEEE
<b>Basic standard</b>	EN 60079-0 EN 60079-11 IEC 60947-5-6
<b>Ex marking</b>	ATEX: Ex II 1G Ex ia IIC T6 Ga Ex II 1D Ex ia IIC T80 °C Da IECEX: Ex ia IIC T6 Ga Ex ia IIC T80 °C Da

### Display/Operation

<b>Power indicator</b>	no
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### Electrical connection

<b>Connection</b>	M12x1-Male, 4-pin, A-coded
<b>Polarity reversal protected</b>	no
<b>Short-circuit protection</b>	no

### Electrical data

<b>Current consumption max., damped</b>	1 mA
<b>Operating voltage Ub</b>	7.7...9 VDC
<b>Rated insulation voltage Ui</b>	12.6 V DC
<b>Rated operating voltage Ue DC</b>	8.2 V
<b>Rated series resistance Rv</b>	1000 Ohm

### Environmental conditions

<b>Ambient temperature</b>	-20...60 °C, depending on Ex category
<b>EN 60068-2-27, Shock</b>	Half-sinus, 30 gn, 11 ms
<b>EN 60068-2-6, Vibration</b>	55 Hz, amplitude 1 mm, 3x30 min
<b>Protection degree</b>	IP67

### Functional safety

<b>MTTF (40 °C)</b>	4110 a
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### Material

<b>Housing material</b>	Brass, nickel plated
<b>Material sensing surface</b>	PA
<b>Surface protection</b>	nickel plated

### Mechanical data

<b>Dimension</b>	Ø 30 x 77 mm
<b>Installation</b>	non-flush
<b>Size</b>	M30x1.5
<b>Tightening torque</b>	40 Nm

### Output/Interface

<b>Interface</b>	NAMUR
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### Range/Distance

<b>Rated operating distance Sn</b>	15 mm
<b>Repeat accuracy max. (% of Sr)</b>	5.0 %
<b>Temperature drift max. (% of Sr)</b>	10 %
<b>Tolerance Sr</b>	±10 %

## Connector Drawings



## Wiring Diagrams

