



Electrical data

No-load current I ₀ max. at U _e	35 mA
Operating voltage U _b	18...30 VDC
Rated insulation voltage U _i	75 V DC
Rated operating voltage U _e DC	24 V
Ripple max. (% of U _e)	15 %

Environmental conditions

Ambient temperature	-25...85 °C
Contamination scale	3
EN 60068-2-27, Shock	Half-sinus, 30 g _n , 11 ms
EN 60068-2-6, Vibration	55 Hz, amplitude 1 mm, 3x30 min
IP rating	IP67
Storage temperature	-25...85 °C

Functional safety

MTTF (40 °C) 230 a

IO-Link

IO-Link Profil IDs	N/A
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Interface

Interface	IO-Link 1.1
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Material

Housing material	PBT
Material sensing surface	PBT

Mechanical data

Dimension	92.5 x 21 x 22 mm
Tightening torque max.	3 Nm

Range/Distance

Linearity range SI	0...70 mm
Measuring range	0...70 mm
Non-linearity max.	±300 µm
Repeat accuracy per BWN	±80 µm
Temperature drift max. from end value	±1.5 %

Remarks

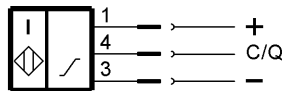
Please refer to manual.
Specification applies to recommended target BAM TG-XE-001 D=2 mm
For more information about MTTF and B10d see MTTF / B10d Certificate

Indication of the MTTF- / B10d value does not represent a binding composition and/or life expectancy assurance; these are simply experiential values with no warranty implications. These declared values also do not extend the expiration period for defect claims or affect it in any way.

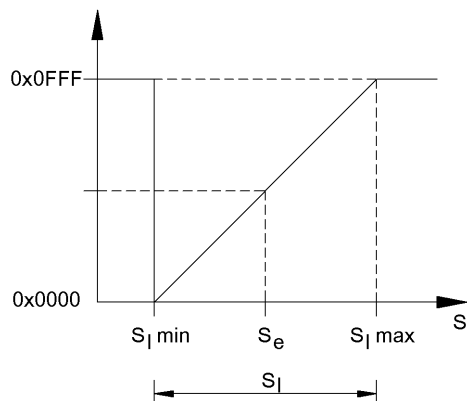
Connector Drawings



Wiring Diagrams



Technical Drawings



Help Views

Octet 0								Octet 1							
7	6	5	4	3	2	1	0	7	6	5	4	3	2	1	0
MSB								LSB							
Position value								OoR							