

1) LED function indicator 2) LED function indicator 3) Teach-In button 4) Encoder



Display/Operation

Function indicator	Adjustment indicator
Power indicator	no

Electrical connection

Cable diameter D	3.00 mm
Cable length	2 m
Conductor cross-section	0.14 mm ²
Connection type	Cable, 2.00 m, PUR
Number of conductors	3
Polarity reversal protected	yes
Short-circuit protection	yes

Electrical data

MTTF (40 °C)	250 a
No-load current I _{o max.} at U _e	20 mA
Operating voltage U _b	15...30 VDC
Pollution degree	3
Protected against miswiring	yes
Rated insulation voltage U _i	75 V DC
Rated operating voltage U _{e DC}	24 V

Slope U

0.71 V/mm

Environmental conditions

Ambient temperature	-25...70 °C
Protection type IEC 60529	IP67

Functional safety

Diagnostic coverage	0.0 %
Functional safety	no
Mission Time	20 a

General data

Approval/Conformity	CE UR EAC
Basic standard	BWN PR 44 IEC 60947-5-2 IEC 60947-5-7

Material

Cable shield	no
Housing material	PA

Material jacket	PUR	Repeat accuracy	0.5 % FS
Material sensing surface	PA	Ripple max. (% of Ue)	10 %

Mechanical data

Tightening torque max.	0.5 Nm
------------------------	--------

Range/Distance

Measuring range	0...14 mm
Non-linearity max.	±250 µm
Range	0...14 mm

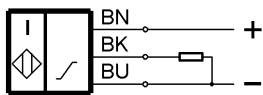
Remarks

Please refer to manual.
 The working range is teachable with the aid of the scanner.
 Specification applies to the recommended position encoders BAM TG-XE-001D = 2 mm BAM TG-XE-002 D = 2 mm

For further information on MTTF/B10d, please refer to the MTTF / B10d Certificate.

Specification of the MTTF value and the B10d value do not represent any binding quality and/or life expectancy guarantees.

Wiring Diagram



Diagram

