

1) Sensing surface, 2) Data carrier, 3) Tightening torque, 4) LED (CP), 5) LED (Power)



Antenna type round Approval/Conformity CE UKCA FCC Part 15 IC RSS-210 EAC WFFF cULus EN 55022 Gr. 1, Cl. A Read/write head Principle of operation

Display/Operation

Function indicator Power (ON) Green LED TP (Tag Present) LED yellow

Electrical connection

Connection M12x1-Male, 4-pin, A-coded

Electrical data

Current consumption max. at 24 V DC 150 mA

Operating voltage Ub 18...30 VDC Supports only LPS/

Class 2

Residual ripple max. 1.3 Vpp

Transfer rate COM2 (38.4 kBaud)

Environmental conditions

Altitude max. 2000 m Ambient temperature -20...80 °C Indoor Area of operation Contamination scale 2 EN 60068-2-27, Shock yes EN 60068-2-32 Free fall yes EN 60068-2-6, Vibration yes IP rating IP67

Relative humidity 0...90 %, non-condensing

Storage temperature -20...85 °C

Functional Characteristics

Supported data carrier types **DIN ISO 15693**

DIN ISO 15693 (High Memory)

Functional safety

MTTF (40 °C) 322 a

Interface

IO-Link version 1.1 Interface IO-Link 1.1 Process data IN 10 bytes

HF (13.56 MHz)

BIS M-404-045-401-07-S4 Order Code: BIS015R



Material

Housing material Brass, Nickel-plated brass nuts,

nickel-plated

Housing material, surface protection nickel-plated

Mechanical data

Application weight 60.00 gDimension \emptyset 18 x 65 mm

Installation metal-free (clear zone)

on metal flush in metal

Size M18x1

Remarks

Only for data carriers acc. to ISO 15693.

For basic equipment: Accessories see www.balluff.com

Values are under rated conditions unless otherwise specified.

When installing, the technical standards and regulations of the corresponding countries must be observed.

Use included nuts for installation.

This device is intended to be supplied by a UL-listed or CSA-certified power supply unit with "Class 2" or LPS power source.

The devices must be installed permanently.

- 1. Determine a suitable mounting position.
- 2. Fasten the device with suitable mounting material.

The device can be cleaned with a slightly damp cloth.

Regularly check the function of the device and all associated components through visual and functional tests.

- Shut down the device in the event of malfunctions.
- Secure the system against unauthorized use.
- Check fastening and tighten if necessary.

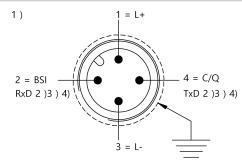
The product is maintenance-free.

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.

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Connector Drawings



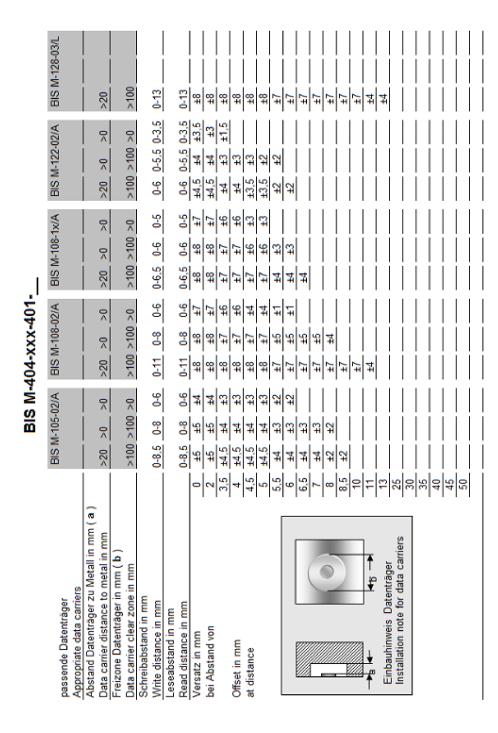
- 1) View towards connector
- 2) BSI service interface
- 3) Do not connect power
- 4) (Only for Balluff Service)

Help Views

2/4

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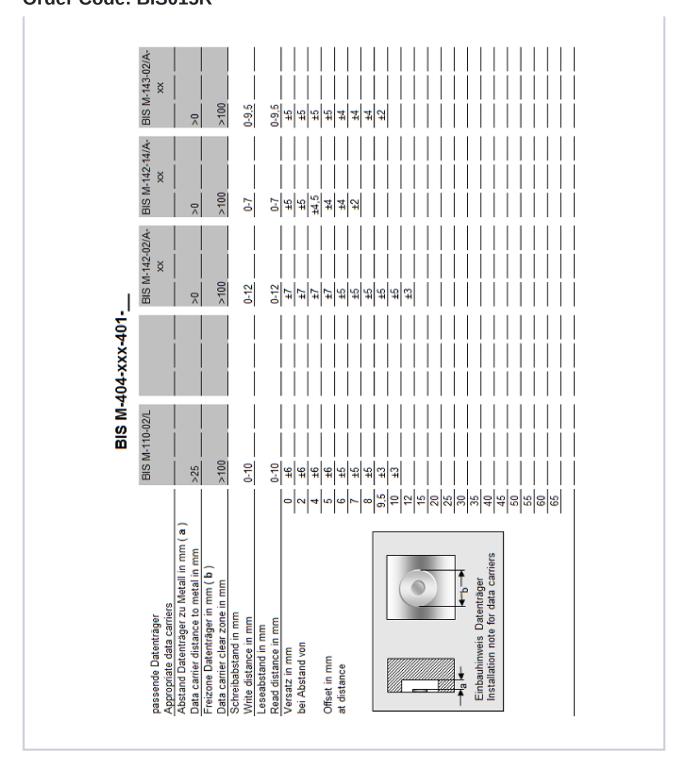
BVLLNEE



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