1) Sensing surface, 2) Clear zone, 3) Locking screw, 4) Module unit, 5) Mounting base, 6) Power, 7) Tag present, 8) Cable length, 9) no cable

BKS-S116-PU-..

BKS-S115-PU-..

BKS-S115-00
9)

Basic features

Antenna type	round
Approval/Conformity	CE
	UKCA
	cULus
	WEEE
Principle of operation	Read head

Display/Operation

Overflow	Yellow LED, flashes
Power (ON)	Green LED
Tag Present (TP)	LED yellow

Electrical connection

Connection	(RS232/TP OUT): M12x1-Male, 8-pin

Electrical data

Control output	1 PNP
Current consumption max. at 24 V DC	50 mA
Operating voltage Ub	19.2...26.4 VDC
Residual ripple max.	included

Environmental conditions

Altitude max.	2000 m
Ambient temperature	0...70 °C
Area of operation	Indoor
Contamination scale	2
Continuous shock load	yes
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

Internet   www.balluff.com

Subject to change without notice: PV151568

eCl@ss 9.1: 27-28-04-01
ETIM 6.0: EC002998
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BALLUFF

Functional safety

MTTF (40 °C)	15080 a

Interface

Interface	RS232

Material

Housing material	PBT

Mechanical data

Application weight	170.00 g
Dimension	40 x 41 x 120 mm
Installation	metal-free (clear zone)

Remarks

Order code for female with 5m cable: BKS-S116-PU-05

For basic equipment order female with cable.

* Connection RTS (TP) enables TP display in program BISCOMRW.EXE.

Values are under rated conditions unless otherwise specified.

Order accessories separately.

Sensing face can be steplessly rotated (range 270°) and fixed with set screw

For installation in metal: Observe clear zone.

OUT TP switches to +24V when there is a data carrier in the zone.

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.
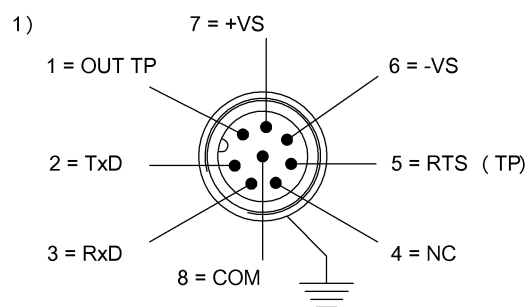
- Secure the system against unauthorized use.

- Check fastening and tighten if necessary.

The product is maintenance-free.

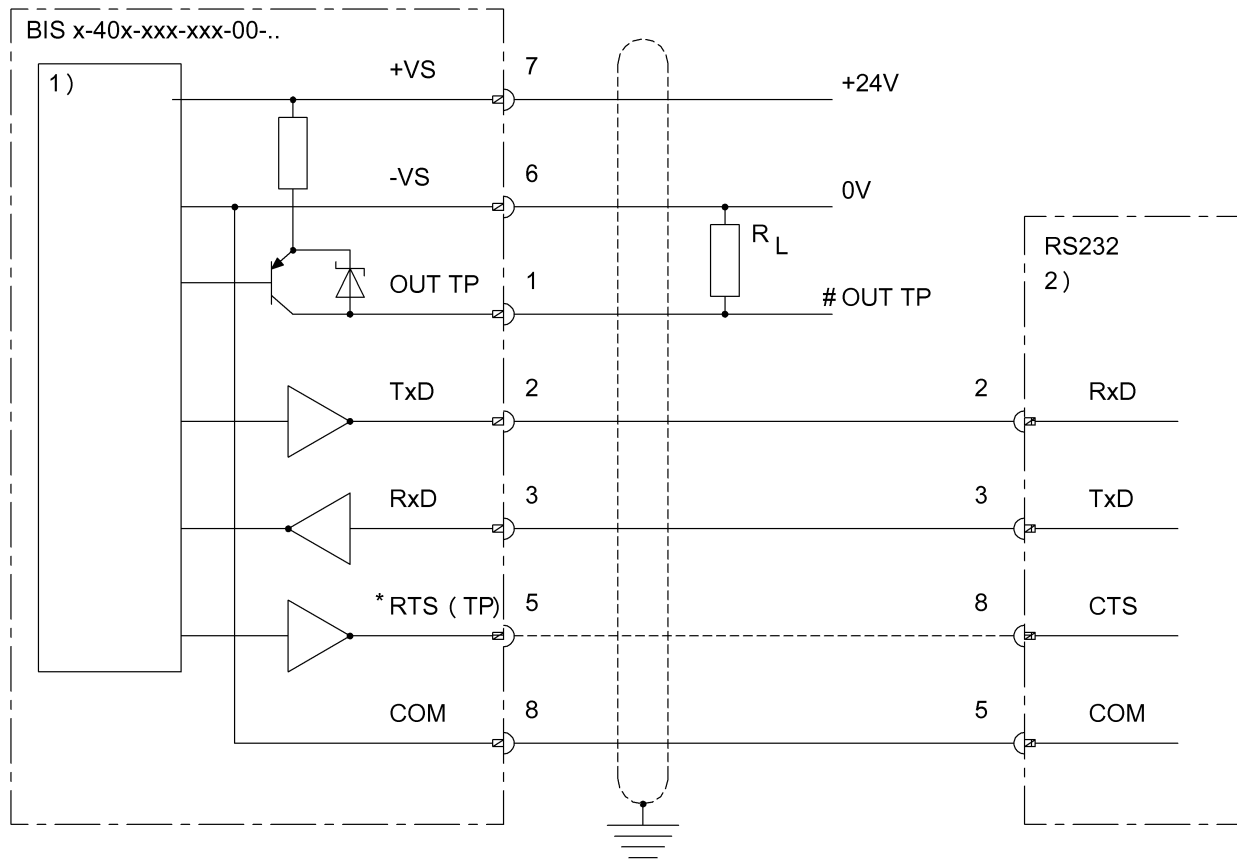For more information about MTTF and B10d see MTTF / B10d Certificate

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.

Connector Drawings

1)

7 = +VS
1 = OUT TP
6 = -VS
2 = TxD
5 = RTS (TP)
3 = RxD
4 = NC
8 = COM

1) View towards connector

Internet   www.balluff.com

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BIS L-400-035-001-00-S115
Order Code: BIS00C5

BALLUFF

Wiring Diagrams

BIS x-40x-xxx-xxx-00-..

+VS	7	+24V
-VS	6	0V
OUT TP	1	# OUT TP
TxD	2	2	RxD
RxD	3	3	TxD
* RTS (TP)	5	8	CTS
COM	8	5	COM

R_L

RS232
2)

1) Internal circuit
2) 9-pin connection

Help Views

Read Only

BIS L-40x-xxx-001-___

	BIS L-200-03/L / BIS L-100-05/L-RO (metallfrei / non metal)	BIS L-201-03/L / BIS L-101-05/L-RO (metallfrei / non metal)	BIS L-202-03/L / BIS L-102-05/L-RO (metallfrei / non metal)	BIS L-203-03/L / BIS L-103-05/L-RO (metallfrei / non metal)
passende Datenträger / Appropriate data carriers				
Schreibabstand in mm / Write distance in mm				
Leseabstand in mm / Read distance in mm	0-30	0-40	0-55	0-20
Versatz in mm / Offset in mm — bei Abstand von / at distance				
0	±15	±20	±30	±10
3	±15	±20	±30	±10
7	±15	±20	±30	±10
8	±15	±20	±30	±10
10	±15	±20	±30	±10
12	±15	±20	±30	±10
15	±15	±20	±30	±10
18	±15	±20	±30	±10
20	±15	±20	±30	
25	±15	±20	±30	
30	±15	±20	±30	
35		±20	±30	
40			±30	
45			±30	
50			±30	
55				
60				
70				