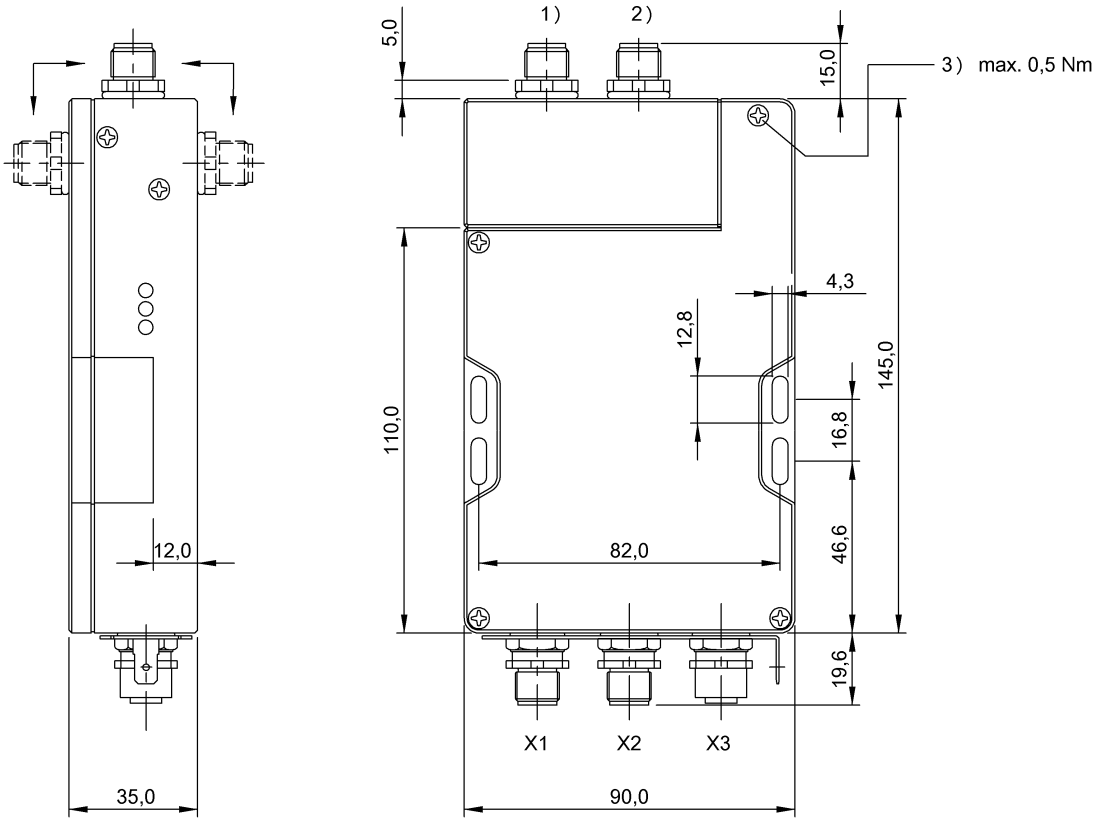
LF (70/455 kHz)

BIS C-6002-019-650-03-ST11
Order Code: BIS009A



1) Head 1, 2) Head 2, 3) Tightening torque

Basic features

Approval/Conformity	CE UKCA cULus WEEE
EN 55011	Size 1, Cl. A
Principle of operation	Processor unit

Display/Operation

CT1 present/operating	LED green/LED yellow
CT2 present/operating	LED green/LED yellow
Ready/Bus active	LED red/LED green

Electrical connection

Connection (COM 1)	X2 (Profibus): Male, 5-pin, B-coded
Connection (COM 2)	X3 (Profibus): M12x1-Female, 5-pin, B-coded
Connection (supply voltage IN)	X1 (power supply/digital input): Male, 5-pin
Connection slots	Head 1: Male, 4-pin Head 2: Male, 4-pin
Connector port 01, note type	for all C-3... with female, 4-pin, ±90° rotatable

Electrical data

Control input	1 (optocoupler isolated)
Control voltage active	4...40 V
Control voltage inactive	1.5...-40 V
Current consumption max. at 24 V DC	400 mA
Delay time typ.	5 ms
Input current max. at 24 V	11 mA
Operating voltage Ub	19.2...28.8 VDC
Residual ripple max.	10 %

Environmental conditions

Altitude max.	2000 m
Ambient temperature	0...60 °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	IP65, with read/write head
Relative humidity	0...90 %, non-condensing

Functional safety

MTTF (40 °C)	68 a

Interface

Interface	Profibus DP Slave galvanically isolated

Material

Housing material	ABS

Mechanical data

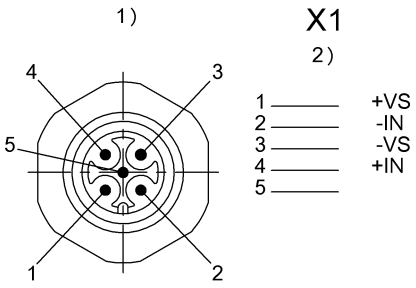
Application weight	500.00 g
Dimension	90 x 35 x 145 mm

Remarks

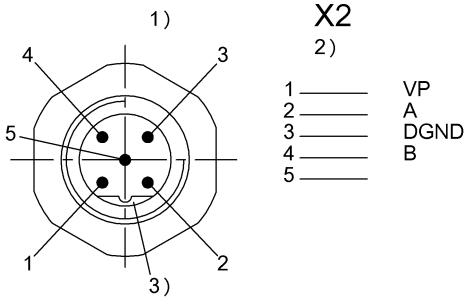
Values are under rated conditions unless otherwise specified.
When installing, the technical standards and regulations of the corresponding countries must be observed.
Accessories not included: For connecting to: X1 = BKS-S79-00 X2 = BKS-S103-00 X3 = BKS-S105-00 cover cap for X3 = BKS 12-CS-00 termination resistor for X3 = BKS-S105-R01 cover cap for Head1, Head2 = BES 12-SM-2
Termination resistor S2: open = passive, closed = active
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 product is maintenance-free.
The device can be cleaned with a slightly damp cloth.
The devices must be installed permanently.
Check the function of the device and all associated components regularly by visual and functional testing. - In the event of malfunctions, take the device out of operation. - Secure the system against unauthorized use. - Check fastening and tighten if necessary.1 Determine suitable mounting position. 2. Fasten the device with suitable mounting material.
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.

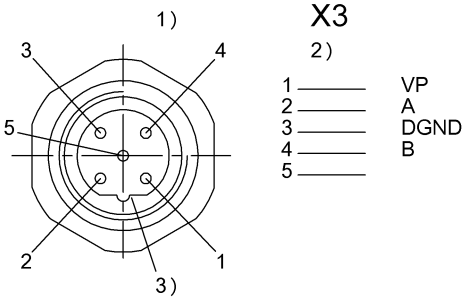
Connector Drawings



1) View towards connector
2) Male 5-pin/ Function

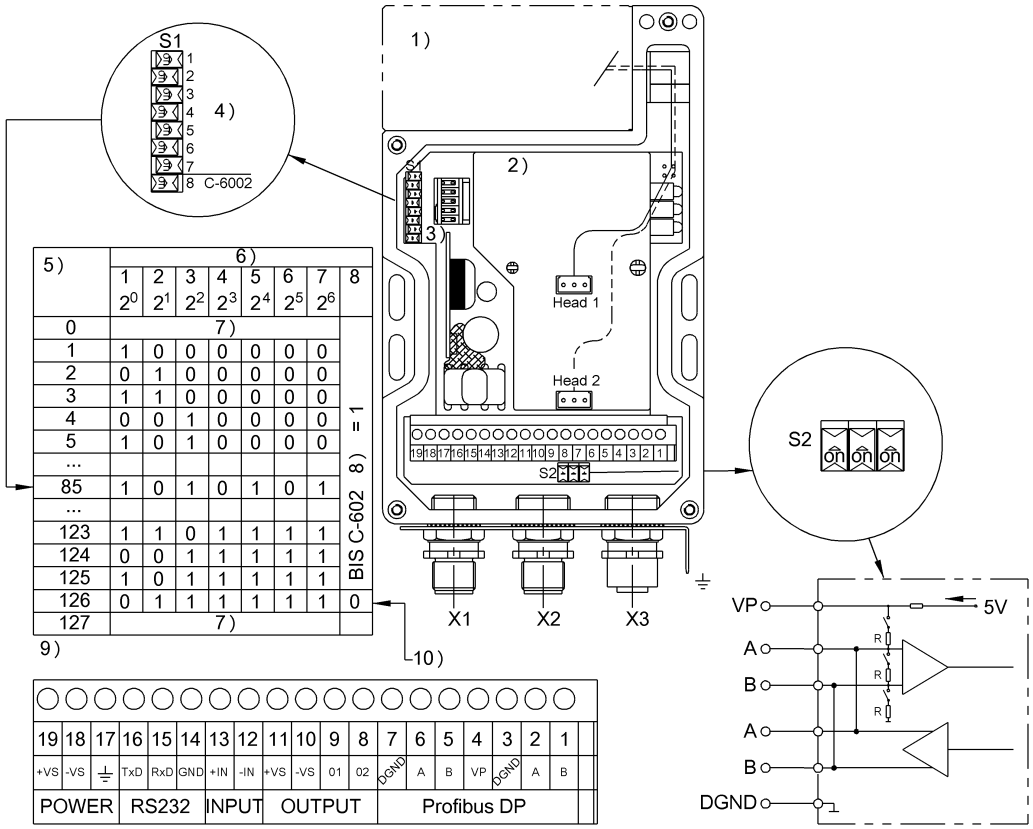


1) View towards connector
2) Male 5-pin/ Function
3) Coding B



1) View towards connector
2) Female 5-pin/ Function
3) Coding B

Help Views



1) Read head connections
2) Inside view
3) Configuration module
4) Example: Address 85
5) Station address
6) Switch panel
7) invalid
8) compatible = 1
9) Switch closed = 1
10) Factory default setting