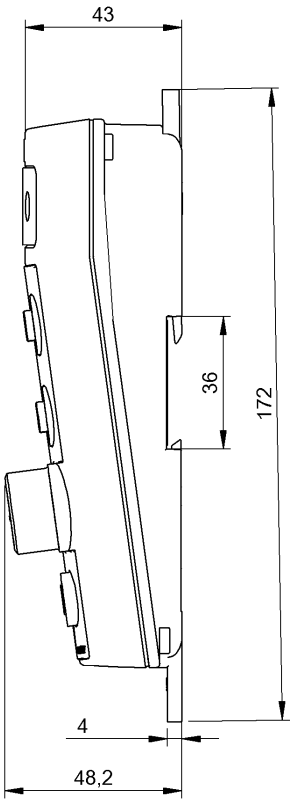
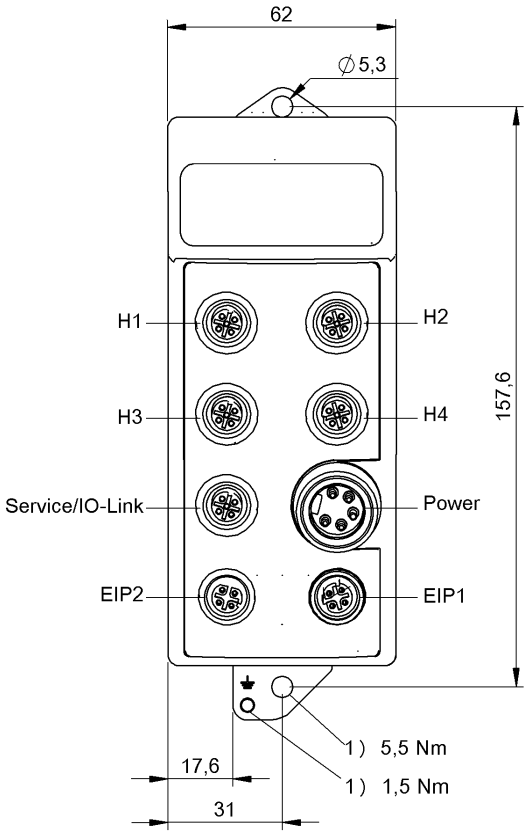
Multi-Frequency Processor

BIS V-6106-034-C102
Order Code: BIS014C





1) Tightening torque

Basic features

Approval/Conformity	CE EAC cULus WEEE
EN 301489-1/-3	EN55022 (Class A)
Principle of operation	Processor unit

Display/Operation

Function indicator	Ready, LED green Link/Activity EIP2, LED green Link/Activity EIP1, LED green Network Status, LED green/red Module Status, LED green/red

Electrical connection

Connection (COM 1)	EIP1: M12x1-Female, 4-pin, D-coded
Connection (COM 2)	EIP2: M12x1-Female, 4-pin, D-coded
Connection (IO-Link/Service)	M12x1-Female, 5-pin, A-coded
Connection (supply voltage IN)	7/8"-Male, 5-pin
Connection slots	H1: M12x1-Female, 5-pin H2: M12x1-Female, 5-pin H3: M12x1-Female, 5-pin H4: M12x1-Female, 5-pin
Connector port 01, note type	for all VU/VM/VL-3… with connector, 4-pin and C-3… with adapter

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Electrical data

Current consumption typ. at 24 V DC	150 mA
EN 61000-4-2/4/5/6	Severity level 2A/2A/1A/2A
IO-Link function	Master (max. 500 mA)
Nominal voltage	24 VDC
Operating voltage Ub	24 V DC LPS Class 2
Residual ripple max.	10 %

Environmental conditions

Ambient temperature	0 °C...60 °C
Continuous shock load	yes
EN 60068-2-27, Shock	yes
EN 60068-2-32 Free fall	yes
EN 60068-2-6, Vibration	yes
EN 61000-4-3 (1400...2000 MHz)	Severity level 3A
EN 61000-4-3 (2000...2700MHz)	Severity level 2A
EN 61000-4-3, 80...1000 MHz	Severity level 3A
IP rating	IP65, with connector

Functional safety

MTTF (40 °C)	18.5 a

Interface

Interface	Ethernet/IP IO-Link 1.1

Material

Housing material	Zinc, Die casting

Mechanical data

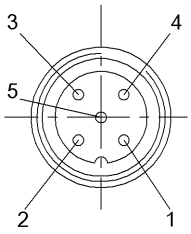
Application weight	750.00 g
Dimension	48 x 62 x 172 mm

Remarks

When installing, the technical standards and regulations of the corresponding countries must be observed.
Values are under rated conditions unless otherwise specified.
Current consumption when 4 read/write heads and IO-Link device are connected to the IO-Link port max. 2 A
For more information about MTTF and B10d see MTTF / B10d Certificate

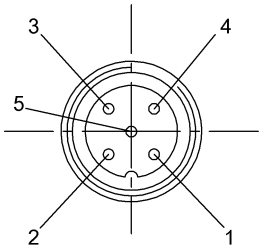
Indication of the MTTF- / B10d value does not represent a binding composition and/or life expectancy assurance; these are simply experiential values with no warranty implications. These declared values also do not extend the expiration period for defect claims or affect it in any way.

Connector Drawings



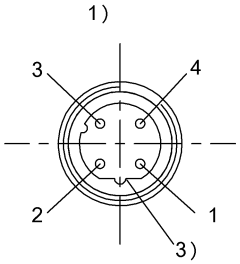
1) 2)
IO-Link/ Service
1 — VP (+ 24V DC)
2 — USB-
3 — 0V
4 — Q/C (IO/Link)
5 — USB+

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



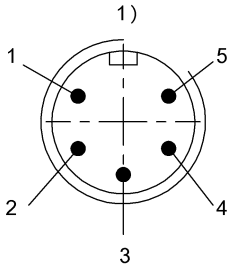
1) 2)
H1...H4
1 — VP (+24V DC)
2 — A (RS485)
3 — 0V
4 — B (RS485)
5 — N.C.

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



EIP Port 1/2
2)
1 — +TX
2 — +RX
3 — -TX
4 — -RX

1) View towards connector
2) Female
3) Coding D



2)
POWER
1 — 0V
2 — 0V
3 — FE
4 — + 24V DC
5 — n.c

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