

1) Tightening torque



Basic features

Approval/Conformity	CE
	EAC
EN 301489-1/3	cULus
	WEEE
	EN55022 (Class A)

Display/Operation

Function indicator	System Failure Status, LED red
	BUS Failure Status, LED red
	Ready, LED green
	Link/Activity Port2, LED green
	Link/Activity Port1, LED green

Electrical connection

Connection (COM 1)	Port 1: M12x1-Female, 4-pin, D-coded
Connection (COM 2)	Port 2: 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

Multi-Frequency Processor
BIS V-6108-048-C102
Order Code: BIS013W

BALLUFF

Electrical data

Current consumption max. at 24 V DC	8 A
EN 61000-4-2/4/5/6	Severity level 2B/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...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

Remarks

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

Values are under rated conditions unless otherwise specified.

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.

Functional safety

MTTF (40 °C)	18.5 a
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Material

Housing material	Zinc, Die casting
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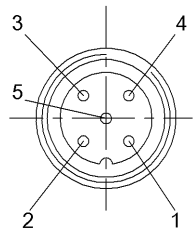
Mechanical data

Application weight	750.00 g
Dimension	48 x 62 x 172 mm

Output/Interface

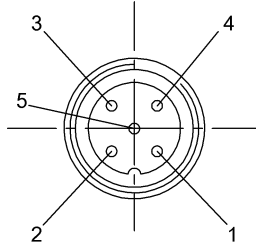
Interface	Profinet I/O (IRT) Profinet I/O (IRT) 2-port switch
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Connector Drawings



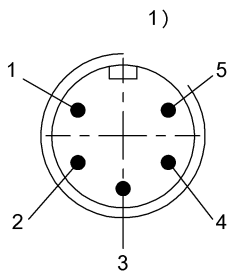
- 1) 2)
IO-Link/ Service
 1 — VP (+ 24V DC)
 2 — USB-
 3 — 0V
 4 — Q/C (IO/Link)
 5 — USB+

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



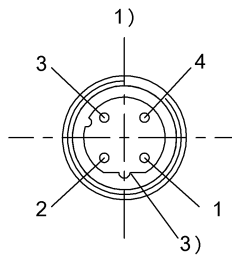
- 1) 2)
H1...H4
 1 — VP (+24V DC)
 2 — A (RS485)
 3 — 0V
 4 — B (RS485)
 5 — N.C.

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



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

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



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

1) View towards connector
 2) Female 4-pin/ Function
 3) Coding D