

1) Tightening torque



Basic features

Approval/Conformity	CE EAC cULus WEEE
EN 55016-2-3	EN61000-6-4

Display/Operation

Error	LED red
Ready/Bus active	Green LED
Run	Green LED

Electrical connection

Connection (COM 1)	Bus in: M12x1-Male, 5-pin, A-coded
Connection (COM 2)	Bus out: M12x1-Female, 5-pin, A-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 VM/VL-3... with connector, 4-pin

Electrical data

Current consumption max. at 24 V DC 8 A	
EN 61000-4-2/4/5/6	Severity level 2B/3A/2B/3A
IO-Link function	Master (max. 500 mA)
Nominal voltage	24 VDC
Operating voltage U_b	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 3A
EN 61000-4-3, 80...1000 MHz	Severity level 2A
Protection degree	IP65 with connector

Functional safety

MTTF (40 °C)	31.8 a
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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.

Material

Housing material	Zinc, Die casting
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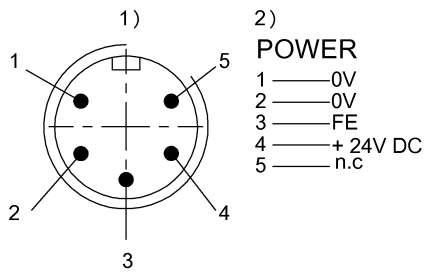
Mechanical data

Application weight	750.00 g
Dimension	48 x 62 x 172 mm

Output/Interface

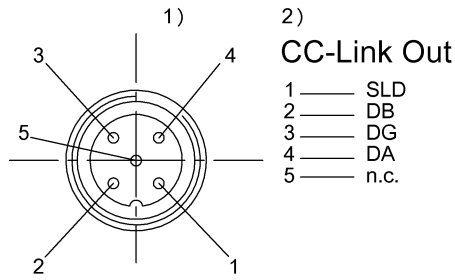
Interface	CC-Link
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Connector Drawings



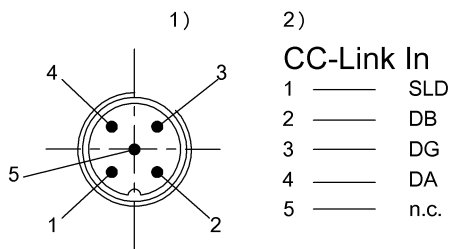
- 2) **POWER**
- 1 — 0V
 - 2 — 0V
 - 3 — FE
 - 4 — + 24V DC
 - 5 — n.c.

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



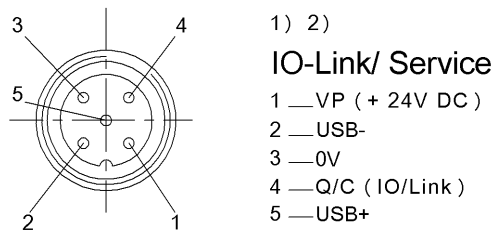
- 2) **CC-Link Out**
- 1 — SLD
 - 2 — DB
 - 3 — DG
 - 4 — DA
 - 5 — n.c.

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



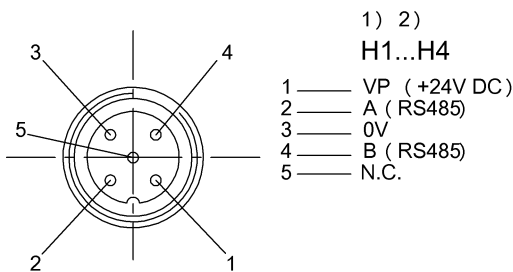
- 2) **CC-Link In**
- 1 — SLD
 - 2 — DB
 - 3 — DG
 - 4 — DA
 - 5 — n.c.

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



- 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