

1) Tightening torque



Basic features

Approval/Conformity	CE EAC cULus WEEE
EN 55011	Size 1, Cl. A
EN 55016-2-3	EN61000-6-4

Display/Operation

Function indicator	Run EtherCAT, LED green Ready, LED green Error EtherCAT, LED red Link/Activity ECAT Out, LED green Link/Activity ECAT In, LED green
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Electrical connection

Connection (COM 1)	ECAT In: M12x1-Female, 4-pin, D-coded
Connection (COM 2)	ECAT Out: 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

Electrical data

Current consumption max. at 24 V DC	8 A
EN 61000-4-2/3/4/5/6	Severity level 4A/3A/4A/2A/3A
EN 61000-4-2/4/5/6	Severity level 2B/3B/2A/3A
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
Protection degree	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)	33.1 a
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Material

Housing material	Zinc, Die casting
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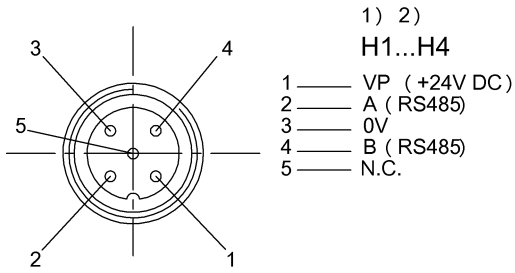
Mechanical data

Application weight	750.00 g
Dimension	48 x 62 x 172 mm

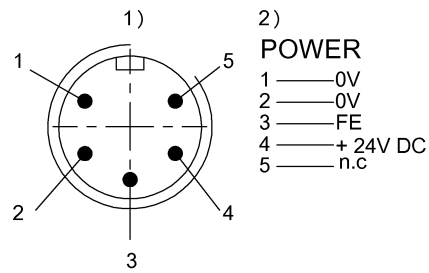
Output/Interface

Interface	EtherCAT
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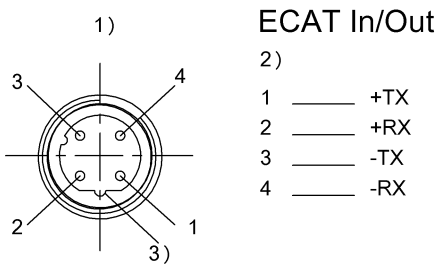
Connector Drawings



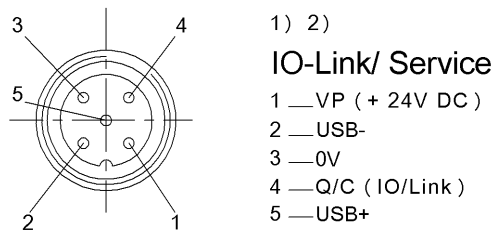
1) View towards connector
 2) Female 5-pin/ Function



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



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



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