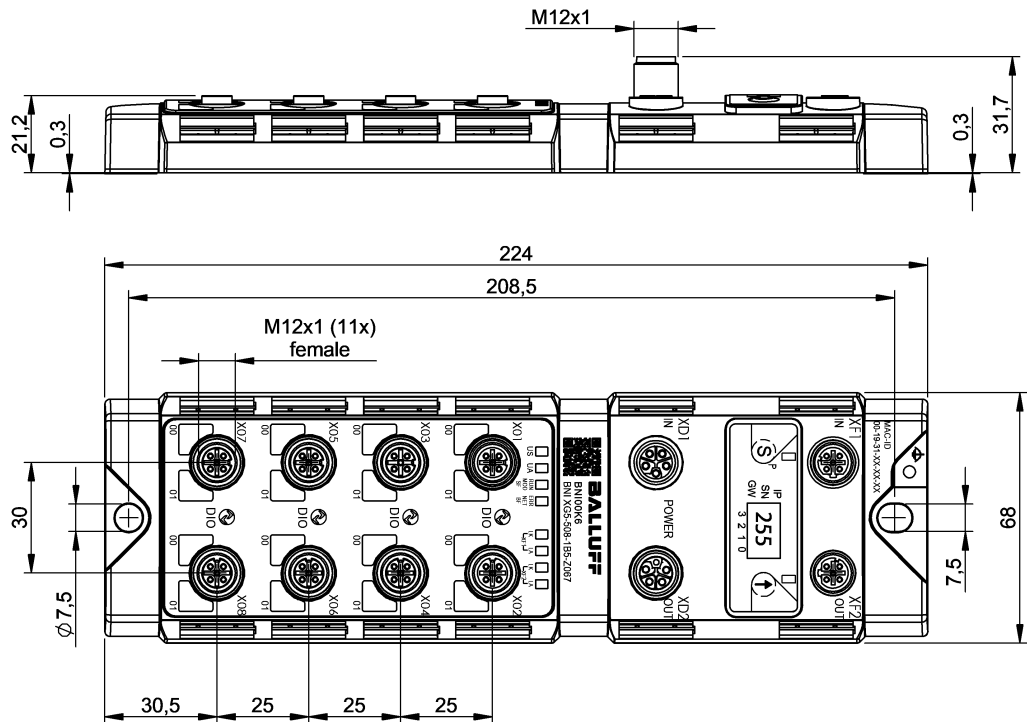




Basic features

Approval/Conformity	CE WEEE UKCA cULus
Display	yes
Not incl. in scope of delivery	Label plates Port cover
Scope of delivery	Grounding strap M4x6 screw
Style	Two-row
Supported web browsers	Google Chrome Mozilla Firefox Microsoft Edge

Display/Operation

Actuator supply UA, indicator	Green LED
IO-Link communication indicator	Green LED
Sensor supply US indicator	Green LED
Switching function display	LED yellow

Electrical connection

Connection (COM 1)	M12x1-Female, 4-pin, D-coded
Connection (COM 2)	M12x1-Female, 4-pin, D-coded
Connection (supply voltage IN)	M12x1-Male, 5-pin, L-coded
Connection (supply voltage OUT)	M12x1-Female, 5-pin, L-coded
Connection slots	8x M12x1-Female, 5-pin, A-coded
Contact, surface protection	NiAu

Electrical data

Configurable inputs/outputs	yes
Current max. Pin 1/L+	2 A
Current sum UA, actuator	16 A
Current sum US, sensor	16 A
IO-Link function	Master
Operating voltage Ub	18...30 VDC
Output current max.	4 A short-circuit proof and overload-proof
Output current max. Pin 4	2 A
Output current max., note	short-circuit proof and overload-proof
Rated operating voltage Ue DC	24 V
Transfer rate	10/100 Mbit/s

Environmental conditions

Ambient temperature	-5...70 °C
Ambient temperature UL max.	45 °C
EN 60068-2-27, Continuous shock	100 g, 2 ms
EN 60068-2-27, Shock	100 g, 6 ms
EN 60068-2-6, Vibration	5...61 Hz, constant amplitude 1 mm 61...500 Hz, constant acceleration 15 g
IP rating	IP67, when threaded in
Storage temperature	-25...70 °C

Functional safety

MTTF (40 °C)	60 a
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Interface

Auxiliary interfaces	8x IO-Link
Conformity class	B
Digital inputs	16x PNP, Type 3
Digital outputs	16x PNP
IO-Link version	1.1.3
Interface	Profinet, EtherNet/IP, EtherCAT Profinet: I/O CoE EoE AoE FoE REST API, MQTT
Interface IIoT	III
Netload class	Type A
Port-class	

Material

Gasket, material	FKM NBR
Housing material	Die-cast zinc, nickel-plated
Housing shield	yes
Surface protection	Cu Ni

Mechanical data

Dimension	68 x 32 x 224 mm
Mounting ground strap	M4
Mounting part	2-hole screw mount
Weight	660 g

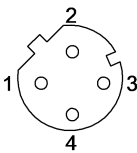
Remarks

See short guide

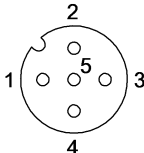
For more information about MTTF and B10d see MTTF / B10d Certificate

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.

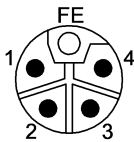
Connector Drawings



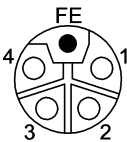
Ethernet port
PIN 1: TD+
PIN 2: RD+
PIN 3: TD-
PIN 4: RD-



IO -Link Class A
PIN 1: L+ (US+)
PIN 2: I/Q (DI/DO)
PIN 3: L- (US-)
PIN 4: C/Q (SIO/IO-Link)
PIN 5: n.c.



Power IN
PIN 1: L+ (US+)
PIN 2: 2L- (UA-) connected
PIN 3: L- (US-) connected
PIN 4: 2L+ (UA+)
PIN 5: FE



Power OUT
PIN 1: L+ (US+)
PIN 2: 2L- (UA-) connected
PIN 3: L- (US-) connected
PIN 4: 2L+ (UA+)
PIN 5: FE