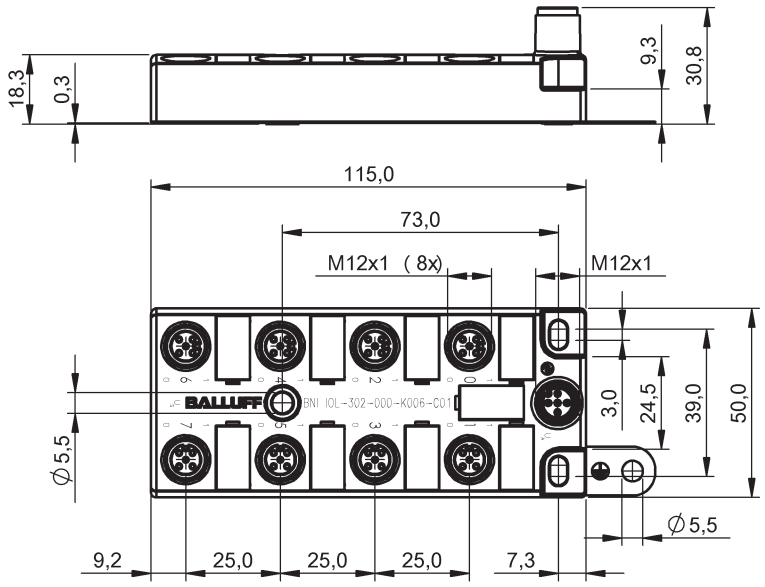
BNI IOL-302-000-K006-C01
BNI005U

BALLUFF
sensors worldwide



■ **Digital mixed functions**

CE

General attributes

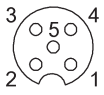
Approvals / Conformity	CE
Enclosure Type per IEC 60529	IP67 (when connected)
Indicator actuators supply UA	Yes, LED green
Indicator IO-Link comm.	Yes, LED green
Indicator sensors supply US	Yes, LED green
Indicator switching function	Yes, LED yellow
Mounting instruction	See short guide
Scope of delivery	4x plugs M12 12x labels Short guide
Transmission protocol	IO-Link 1.1

Electrical attributes

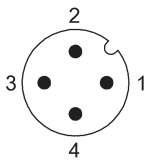
Configurable in-/outputs	Yes
Current sum US (Sensor)	1.5 A
Cycle time min.	4 ms
Eff. operating voltage Ue DC	24 V
Indicator modul supply	Yes, LED green
Inputs	PNP, Type 2
IO-Link	Device
IO-Link Specification	1.1
Number of inputs	16
Number of outputs	16 (with 350 mA)
Operating voltage UB max. DC [V]	30.2 V
Operating voltage UB min. DC [V]	18 V
Switching output	PNP
Transfer rate	COM2 (38.4 kBaud)

Mechanical attributes

Ambient temperature Ta max.	55 °C
Ambient temperature Ta min.	-5 °C
Frametype	2.V
Height	31.0 mm
Housing material	Trogamid CX9704
Housing shield	No
Length	115.0 mm
Mounting type	3-hole screw mounting
Number of plug-in positions	8
Storage temperature max.	70 °C
Storage temperature min.	-25 °C
Style	Two-row
Width	50.0 mm



Digital input / output port
PIN 1: +24V, 0.2A
PIN 2: Input/Output 2
PIN 3: 0V / GND
PIN 4: Input/Output 1
PIN 5: Function ground



IO -Link
PIN 1: +24V, 1.5A Controller
PIN 2: +24 V, 1.6 A Actuators
PIN 3: GND,Reference potential
PIN 4: C/Q, IO-Link DC-Channel