

Basic features

Approval/Conformity	CE EAC WEEE
Component	Base
Function	Uni IO-Link

Display/Operation

Active transmission indicator	yes
InZone indicator	yes
Power indicator	yes

Electrical connection

Connection 1	M12x1-Male, 4-pin
Connection 2	4-pin
Short-circuit protection	yes

Electrical data

Rated operating current I_e	1000 mA
Rated operating voltage U_e DC	24 V
Ripple max. (% of U_e)	5 %
Transmission power	12 W
Type of master port	A

Environmental conditions

Ambient temperature	-5...55 °C
Interference immunity	EN 61000-4-2/3/4/5/6
Protection degree	IP67
Storage temperature	-25...75 °C

Material

Housing material	Brass
Housing material, surface protection	coated
Material sensing surface	PC

Mechanical data

Frame type	1 (max. 3 bytes) 2.1 2.2
Installation	non-flush
Offset	±4 mm
Size	M30x1.5
Tightening torque max.	70 Nm
Tightening torque pigtail	0.6 Nm

Output/Interface

Cycle time min.	3 ms
IO-Link version	1
Process data IN	4 bytes
Process data OUT	0 bytes
Process data cycle min.	12 ms
SIO mode	no
Transfer rate	COM2 (38.4 kBaud)

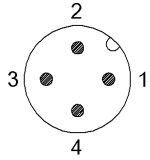
Range/Distance

Range	0...5 mm
Transmission distance	0...5 mm

Remarks

Enclosure rating per IEC 60529, only in screwed state with the associated mating piece.
Use the BIC 1I0-I2A50-M30MI3-SM4A4A base unit only with the BIC 2I0-I2A50-M30MI3-SM4A5A Remote!

Connector Drawings



IO-Link

PIN 1: +24V

PIN 2: n.c.

PIN 3: GND, reference potential

PIN 4: IO-Link