

Basic features

Approval/Conformity	CE WEEE
Component	Remote
Function	Signal transmission
Use	for inductive coupler base BIC0077

Display/Operation

Function indicator	no
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Electrical connection

Bending radius min., fixed cable	5 x D
Bending radius min., flexible cable	10 x D
Cable diameter D	3.50 mm
Cable length L	0.3 m
Conductor cross-section	0.14 mm ²
Connection	M12x1, 5-pin
Connection type	Connector, 0.30 m, PUR
Short-circuit protection	yes

Electrical data

Current load per output max.	50 mA
Output voltage	24 VDC
Rated output current	50 mA
Signal type	unidirectional
Switching frequency	60 Hz
Transmission power	1.2 W

Environmental conditions

Ambient temperature	-10...50 °C
IP rating	IP67
Interference immunity	EN 61000-4-2/3/4/5/6
Storage temperature	-20...60 °C

Functional safety

MTTF (40 °C)	10 a
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Interface

Digital inputs	2x PNP
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Material

Housing material	Nickel-plated brass, coated
Housing material, surface protection	coated
Material jacket	PUR

Mechanical data

Dimension	Ø 12 x 44 mm
Installation	non-flush
Offset	±1 mm
Size	M12x1
Tightening torque pigtail	0.6 Nm
Weight	40 g

Range/Distance

Range	0...2.5 mm
Transmission distance	0...2.5 mm

Inductive Couplers
BIC 2I1-P2A05-M12MF-BPX0-003-M44A
Order Code: BIC0078



Remarks

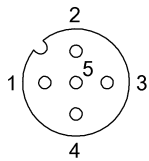
For additional information, refer to user's guide.

Order accessories separately.

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



PIN 1: +24V

PIN 2:

Input 1

PIN 3: GND

PIN 4:

Input 2