

Basic features

Approval/Conformity	CE WEEE
Component	Base
Function	Signal transmission
Use	for inductive coupler remote BIC0078

Display/Operation

Function indicator	yes
InZone indicator	yes

Electrical connection

Bending radius min., fixed cable	5 x D
Bending radius min., flexible cable	10 x D
Cable diameter D	4.20 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

Rated operating current I _e	50 mA
Rated operating voltage U _e DC	24 V
Ripple max. (% of U _e)	10 %
Signal type	unidirectional
Switching frequency	60 Hz

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)	6 a
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Interface

Digital outputs	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 68 mm
Installation	non-flush
Offset	±1 mm
Size	M12x1
Tightening torque pigtail	0.6 Nm
Weight	30 g

Range/Distance

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

Inductive Couplers
BIC 1I1-P2A05-M12MM-BPX0-003-M45A
Order Code: BIC0077

BALLUFF

Remarks

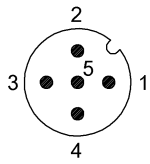
For additional information, refer to user's guide.

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: Output 1

PIN 3: DGND

PIN 4: Output 2

PIN 5: In Zone