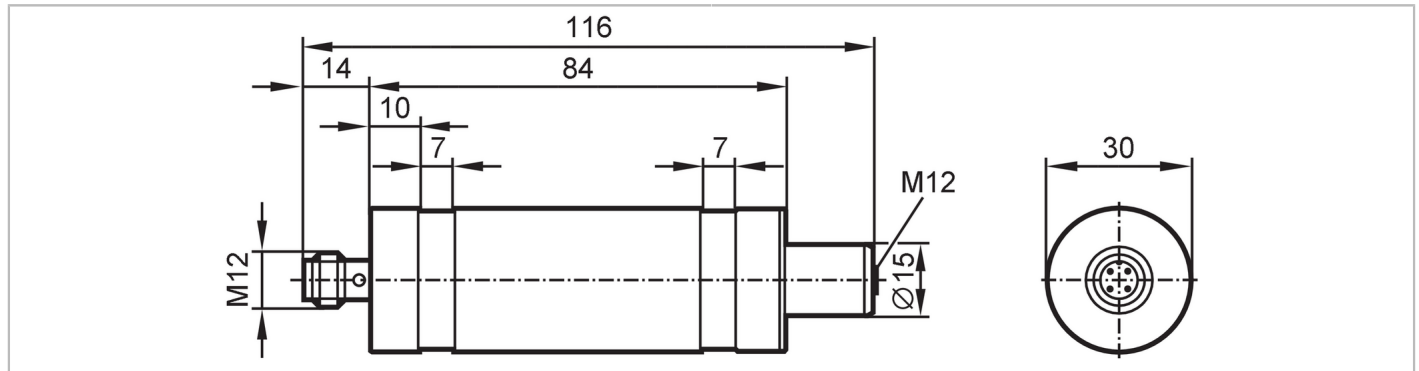


E30444



IO-Link repeater

IO-LINK REPEATER



Application

Special feature	gold-plated contacts
-----------------	----------------------

Electrical data

Operating voltage	[V]	18...30 DC
Nominal voltage DC	[V]	24
Current consumption	[mA]	< 20
Protection class		III
Reverse polarity protection		yes; (on the master side)
Overvoltage protection		yes; (integrated)
Surge protection for voltage		between L-, pin 5 and ground $U_{max} = 45 \text{ V}$ for surge $U_{min} = 30 \text{ V}$ for normal operation
		between L+, signal cables and ground $U_{max} = 90 \text{ V}$ for surge $U_{min} = 60 \text{ V}$ for normal operation
Surge protection for current		surge current $I_{max} = 25 \text{ A}$
		leakage current $I_{max} = 10 \mu$
Power-on delay time	[s]	< 2; (per repeater)
Current rating per port	[A]	0.84; (Port Class A; Port Class B: 2)
Delay time acyclic data		up to 2 cycles; (per repeater)
Delay time process data		up to 1 cycle; (per repeater)

Interfaces

Communication interface	IO-Link
Unterstützte IO-Link Revision	1.0; 1.1
Unterstützte Masterportklasse	A / B
Transmission type	COM1 (4,8 kBaud); COM2 (38,4 kBaud); COM3 (230,4 kBaud)
SDCI standard	IEC 61131-9
SIO mode	no

Operating conditions

Ambient temperature	[°C]	-25...65
Storage temperature	[°C]	-40...85
Protection		IP 68; IP 69K; (7 days / 3 m water depth / 0.3 bar: IP 68)

Tests / approvals

EMC	DIN EN 61000-6-2	
	DIN EN 61000-6-4	in plastic or open metal tanks



IO-Link repeater

IO-LINK REPEATER

Shock resistance	DIN EN 60068-2-27	50 g (11 ms)
Vibration resistance	DIN EN 60068-2-6	20 g (10...2000 Hz)
MTTF [years]		409
UL approval	File number UL	E205959

Mechanical data

Weight [g]	212
Material	stainless steel (1.4404 / 316L); PEI; PA fiber-reinforced; FKM; Grounding clamp: stainless steel (1.4301 / 304)

Displays / operating elements

Display	1 x LED
Power	green
IO-Link	green
fault	red

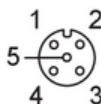
Remarks

Remarks	For information on the maximum cable length please refer to the operating instructions. functional grounding via premounted grounding clamp for further information please see the operating instructions
Pack quantity	1 pcs.

Electrical connection

Electrical connection - Socket

Connector: 1 x M12; coding: A; Contacts: gold-plated



Port Class A

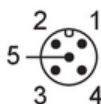
1	L+
2	bridged , electrically isolated
3	L-
4	C: IO-Link
5	bridged , electrically isolated

Port Class B

1	L+
2	P24
3	L-
4	C: IO-Link
5	N24

Electrical connection - plug

Connector: 1 x M12; coding: A; Contacts: gold-plated



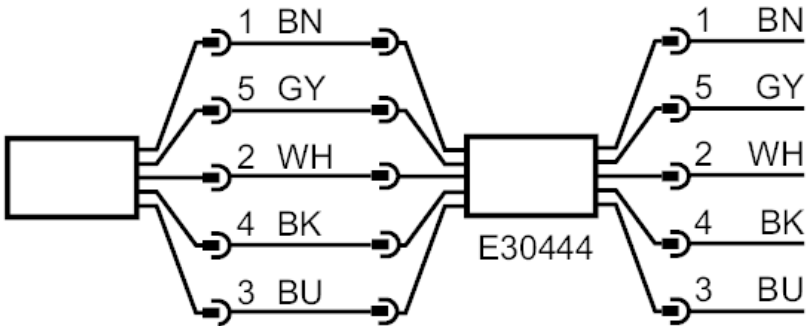
E30444



IO-Link repeater

IO-LINK REPEATER

Connection



BK: black
BN: brown
BU: blue
WH: white
GY: grey
Colors to DIN EN 60947-5-2

Port Class A

1	L+
2	bridged , electrically isolated
3	L-
4	C: IO-Link
5	bridged , electrically isolated

Port Class B

1	L+
2	P24
3	L-
4	C: IO-Link
5	N24