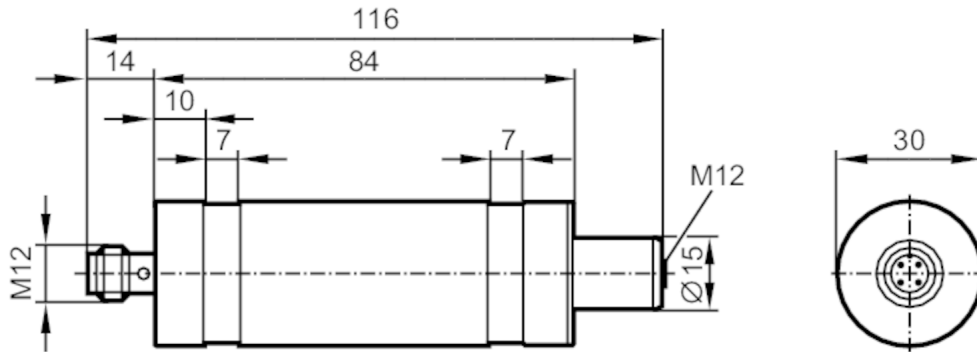


IO-Link repeater

IO-LINK REPEATER



Application

Special feature	Gold-plated contacts
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Electrical data

Operating voltage	[V]	18...30 DC
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	between L+, signal cables and ground
	U _{max} = 45 V for surge	U _{max} = 90 V for surge
	U _{min} = 30 V for normal operation	U _{min} = 60 V for normal operation
Surge protection for current	surge current	leakage current
	I _{max} = 25 A	I _{max} = 10 µ
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

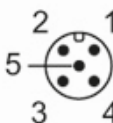
Operating conditions

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



IO-Link repeater

IO-LINK REPEATER

Tests / approvals		
EMC	DIN EN 61000-6-2	
	DIN EN 61000-6-4	in plastic or open metal tanks
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
Mechanical data		
Weight	[g]	212.2
Materials	stainless steel (1.4404 / 316L); PEI; PA reinforced fibre; FKM; Grounding clamp: stainless steel (1.4301 / 304)	
Displays / operating elements		
Display		1 x LED
	operation	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 - plug		
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	
Connector: 1 x M12; Contacts: gold-plated		
		

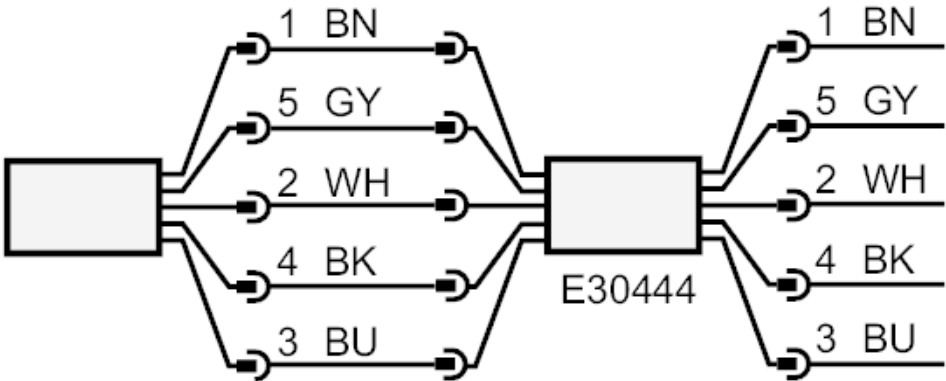
E30444



IO-Link repeater

IO-LINK REPEATER

Connection



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

Electrical connection - socket

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 |

Connector: 1 x M12; Contacts: gold-plated

