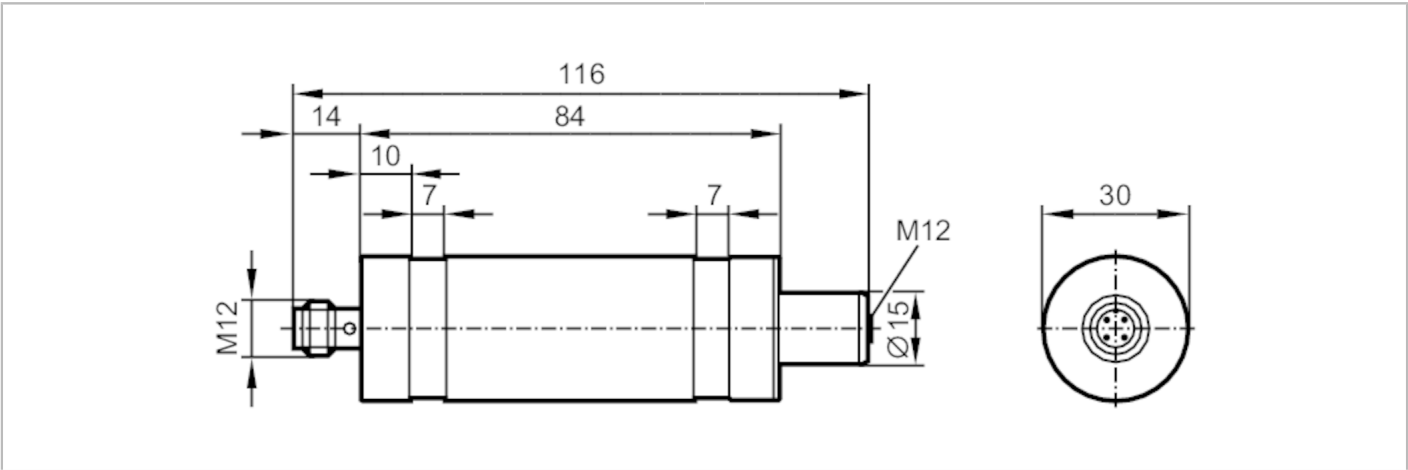




IO-Link repeater

IO-LINK REPEATER

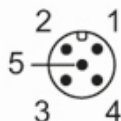


Application		
Special feature	Gold-plated contacts	
Electrical data		
Operating voltage	[V]	18...30 DC
Nominal voltage DC	[V]	24
Current consumption	[mA]	< 20
Protection class	III	
Reverse polarity protection	yes; (on the master side)	
Overvoltage protection	yes; (integrated)	
Surge protection for voltage	between L-, pin 5 and ground	between L+, signal cables and ground
	Umax = 45 V for surge	Umax = 90 V for surge
	Umin = 30 V for normal operation	Umin = 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; (7 days / 3 m water depth / 0.3 bar: IP 68)	



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
UL approval	File number UL	E205959
Mechanical data		
Weight	[g]	212
Materials	stainless steel (316L/1.4404); 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		
Connector: 1 x M12; coding: A; Contacts: gold-plated		
		

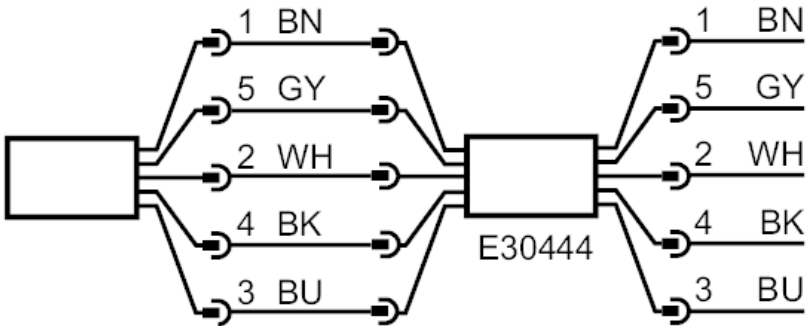
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IO-Link repeater

IO-LINK REPEATER

Connection



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

Port Class A

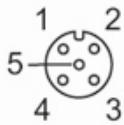
1 L+
2 bridged , electrically isolated
3 L-
4 C: IO-Link
5 bridged , electrically isolated

Port Class B

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

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

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IO-Link repeater

IO-LINK REPEATER

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