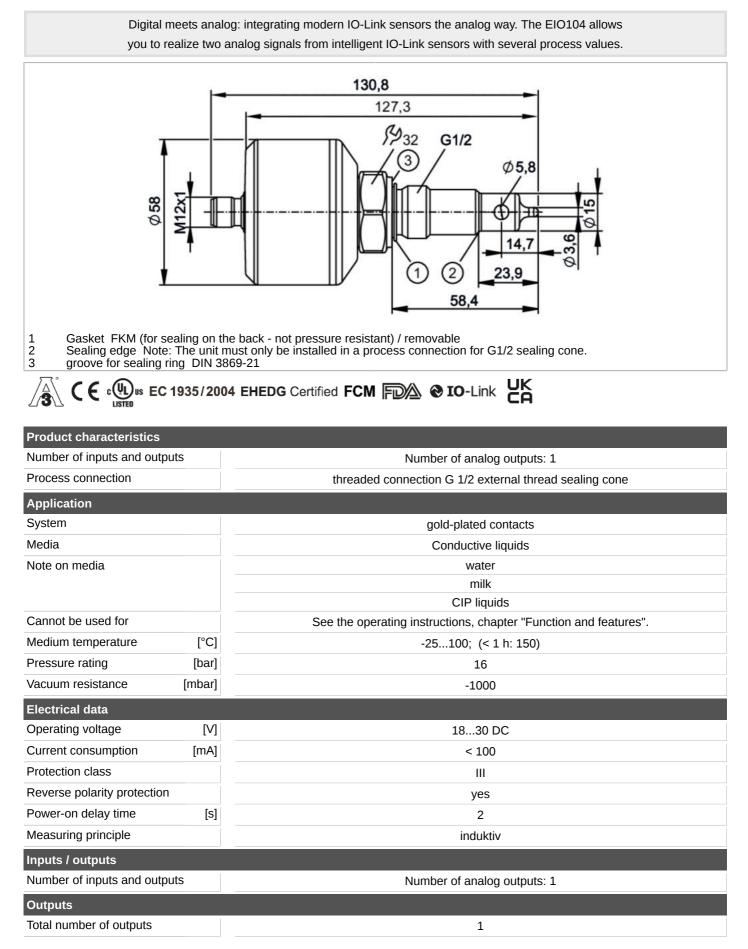
#### Inductive conductivity sensor



IND CONDUCTIVITY HYG G1/2 SC



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#### Inductive conductivity sensor

IND CONDUCTIVITY HYG G1/2 SC



Output signal		analog signal; IO-Link			
Output function		analog output; scalable; selectable conductivity / temperature			
Number of analog outputs	6	1			
Analog current output	[mA]	420			
Max. load	[Ω]	500			
Measuring/setting range	;				
Conductivity measuremen	nt				
Measuring range	[µS/cm]	1001000000			
Temperature measuremen	nt				
Measuring range	[°C]	-25150			
Accuracy / deviations					
Conductivity measuremen	nt				
Accuracy (in the measurin range)	ng	2 % MW ± 25 µS/cm			
Resolution	[µS/cm]	1 (010000)			
		10 (10000100000)			
Drift	[%/K]	100 (1000001000000)			
-	[%0/K]	0,05 %/K MW			
Repeatability		1 % MW ± 25 μS/cm			
Long-term stability		1 % MW ± 25 μS/cm			
Temperature measurement					
Accuracy	[K]	2050 °C: < ± 0,2 K; -25150 °C: < ± 1,5 K			
Repeatability	[K]	0,2			
Resolution	[K]	0.1			
Reaction times					
Conductivity measuremen	nt				
Response time	[S]	< 2; (T09; Damping = 0)			
Temperature measurement					
Response time	[s]	< 40; (T09)			
Interfaces					
Communication interface		IO-Link			
Transmission type		COM2 (38,4 kBaud)			
IO-Link revision		1.1			
SDCI standard		IEC 61131-9			
Profiles		Measuring Sensor, Identification and Diagnosis			
SIO mode		no			
Required master port clas	iS	Α			
Process data analog		1			
Min. process cycle time	[ms]	5.6			
Supported DeviceIDs		Type of operation DeviceID			
		default 922			
Operating conditions					
Ambient temperature	[°C]	-4060			

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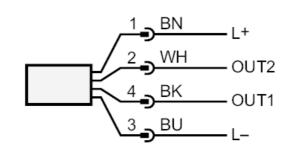
Storage temperature	[°C]	-4085			
Protection		IP 68; IP 69K; (7 days / 3 m water depth / 0.3 bar: IP 68)			
Tests / approvals	,				
EMC		DIN EN 61000-6-2			
		DIN EN 61000-6-3			
Shock resistance		DIN EN 60068-2-27	50 g (11 ms)		
Vibration resistance		DIN EN 60068-2-6	20 g (102000 Hz)		
MTTF	[years]	131			
Mechanical data					
Weight	[g]	606.2			
Material		stainless steel (1.4404 / 316L); PEEK; PEI; FKM			
Materials (wetted parts)		PEEK			
Process connection		threaded connection G 1/2 external thread sealing cone			
Remarks					
Remarks		Note: The unit must only be installed in a process connection for G1/2 sealing cone.			
		MW = Mea	asured value		
Notes		Digital meets analog: integrating modern IO-Link sensors the analog way. The EIO104 allows you to realize two analog signals from intelligent IO-Link sensors with several process values.			
Pack quantity		1 pcs.			
Electrical connection					
Connector: 1 x M12 (EN 61067-2-101); coding: A; Contacts: gold-plated					
2 3 4					

#### Inductive conductivity sensor

IND CONDUCTIVITY HYG G1/2 SC

#### Connection





OUT1	IO-Link
OUT2	analog output
	Colors to DIN EN 60947-5-2
	Core colors :
BK =	black
BN =	brown
BU =	blue
WH =	white