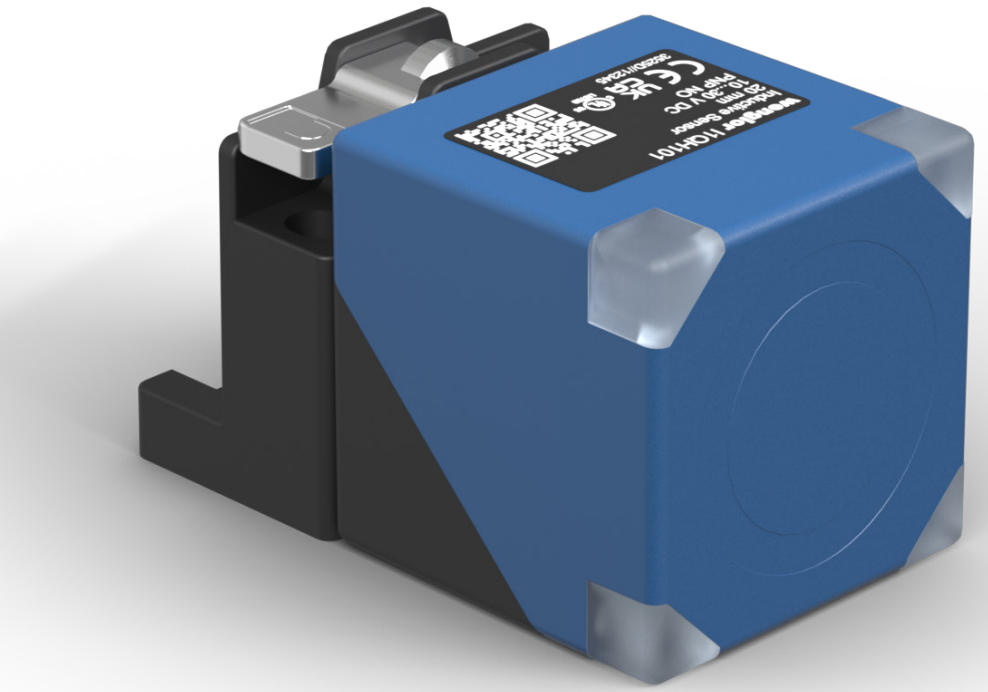
EN

I1QH10x

Inductive Sensor



IO-Link

Interface Description

Subject to change without notice
Available as PDF version only
Status: 14.09.2026
www.wenglor.com

Vendor ID

Product	hex	dec	hex (Bytes)	dec (Bytes)
wenglor sensoric GmbH	0x0057	87	00 57	0 87

Device ID

Product	hex	dec	hex (Bytes)	dec (Bytes)
I1QH105	0x272865	2566245	27 28 65	39 40 101
I1QH106	0x272866	2566246	27 28 66	39 40 102

IO-Link Version:	V1.1
Data Storage:	No
Blockparameter:	No
MinCycleTime:	3.9 ms
SIO-Mode:	Yes
COM-Mode:	COM2
ISDU	No
Process Data Input (Device to Master)	2 Bit
Process Data Output (Master to Device)	-

Identification

Name	Index (hex)	Index (dec)	Sub-index	R/W	Data type	Default value
Information						
Direct Parameters 1. Vendor ID 1	0x0000	0	8	R	Uint8	0
Direct Parameters 1. Vendor ID 2	0x0000	0	9	R	Uint8	87
Direct Parameters 1. Device ID 1	0x0000	0	10	R	String	-
Direct Parameters 1. Device ID 2	0x0000	0	11	R	String	-
Direct Parameters 1. Device ID 3	0x0000	0	12	R	String	-

Parameter

Name	Index (hex)	Index (dec)	Sub-index	Used bits	R/W	Data type	Default value	Range
Switching Distance	0x0001	1	3	0...1	R/W	Uint2	0 = Switching Distance 1 (high)	0 = Switching Distance 1 (high): I1QH105 = 20 mm, I1QH106 = 40 mm 1 = Switching Distance 2 (middle): I1QH105 = 16 mm, I1QH106 = 35 mm 3 = Switching Distance 3 (low): I1QH105 = 14 mm, I1QH106 = 30 mm
O1 Function	0x0001	1	3	2	R/W	bool	0 = NO	0 = NO 1 = NC
Output Mode O1	0x0001	1	3	3...4	R/W	Uint2	1 = PNP	0 = Push-pull 1 = PNP 2 = NPN
O2 Function	0x0001	1	3	5...6	R/W	Uint2	1 = Error Output (NC)	0 = Antivalent 1 = Error Output (NC) 2 = Error Output (NO) 3 = No Output
Signal Filter	0x0001	1	3	7	R/W	bool	1 = Off (high speed)	0 = On (normal speed) 1 = Off (high speed)
Write parameters to FTP	0x0001	1	16	0...7	R/W	Uint3	0 = No Action	0 = No Action 146 = Write

Process data

Name	Bit Offset	Length	Range
Information			
Object presence	0	1 Bit	0 = false = no object 1 = true = object detected
Error Indication	1	1 Bit	0 = false = no error 1 = true = error detected