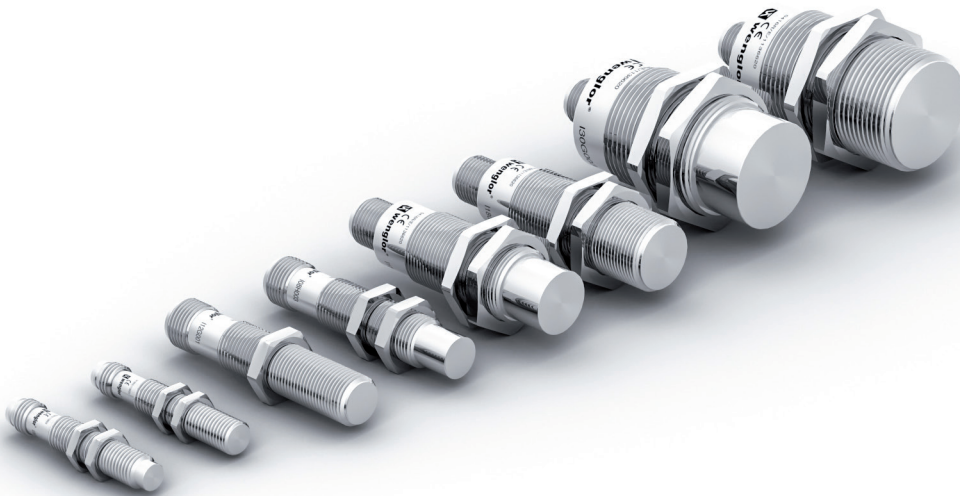


I12G00x

Inductive Sensors with Full-Metal Housing



Interface Description

Subject to change without notice
Available as PDF version only
Version: 1.0.0
Status: 02.11.2023
www.wenglor.com

IO-Link I12G00x

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)
I12G001	0x27D401	2610177	27 D4 01	39 212 1
I12G002	0x27D402	2610178	27 D4 02	39 212 2
I12G003	0x27D403	2610179	27 D4 03	39 212 3
I12G004	0x27D404	2610180	27 D4 04	39 212 4
I12G005	0x27D405	2610181	27 D4 05	39 212 5
I12G006	0x27D406	2610182	27 D4 06	39 212 6

IO-Link Version:	V1.1
Parameter Server / Data Storage:	No
Blockparameter:	No
MinCycletime:	3,9 ms
SIO-Mode:	Yes
COM-Mode:	COM2
ISDU:	No
Process data In (Device to Master)	2 Bit
Process data Out (Master to Device)	-

Process data (Length: 16 Bit)

Name	Bit Offset	Data Type	Range
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

Parameter

Name	Index (hex)	Index (dec)	Sub-index	Used bits	R/W	Data type	Data Storage	Dynamic	Modify others	Default value	Range
Identification											
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											
Write parameters to FTP	0x0001	1	16	0...8	R/W	UInt8				0 = Off	0 = No Action 146 = Write
A1 Function	0x0001	1	3	2	R/W	bool				0 = NO	0 = NO 1 = NC
A2 Function*	0x0001	1	3	5...6	R/W	UInt2				0 = Antivalent	0 = Antivalent 1 = Error Output (NC) 2 = Error Output (NO) 3 = No Output
Output Mode A1	0x0001	1	3	3..4	R/W	UInt2				1 = PNP for I12G001/ I12G002/I12G003/ I12G004 2 = NPN for I12G005/ I12G006	1 = PNP 2 = NPN

* Parameter available only for I12G002/I12G004