

EN

P1PA00x

Luminescence Sensors



Interface Description

IO-Link P1PAxxx

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)
P1PA001	0x280F01	2625281	28 0F 01	40 15 1
P1PA002	0x280F02	2625282	28 0F 02	40 15 2

IO-Link Version:	V1.1
Parameter Server / Data Storage:	No
Blockparameter:	No
MinCycletime:	4,8 ms
SIO-Mode:	Yes
COM-Mode:	COM2
ISDU:	No
Process data In (Device to Master):	16 Bit
Process data Out (Master to Device):	–

Process data (Length: 16 Bit)

Subindex	Name	Bit Offset	Length	Range
1	A1 Output	0	1 Bit	0 = off 1 = on
2	Contamination	1	1 Bit	0 = off 1 = on
3	Short-circuit	4	1 Bit	0 = off 1 = on
4	Overtemperature	6	1 Bit	0 = off 1 = on
5	Memory Busy	7	1 Bit	0 = off 1 = on
6	Measured Value	8...15	Uint8	0...255

Octet 0

Subindex	6							
Bit Offset	15	14	13	12	11	10	9	8

Octet 1

Subindex	5	4		3			2	1
Bit Offset	7	6	5	4	3	2	1	0

Parameter

Name	Index (hex)	Index (dec)	Sub-index	R/W	Data type	Data-storage	Dyna-mic	modify others	Default value	Range
Identification										
Parameter.Serial number	0x0001	1	12...15	R	Uint32				-	-
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 ID1	0x0000	0	10	R	String				-	-
Direct Parameters 1.Device ID2	0x0000	0	11	R	String				-	-
Direct Parameters 1.Device ID3	0x0000	0	12	R	String				-	-
Parameter										
Parameter.OFF Delay	0x0001	1	4 (Bit0...2)	R/W	Uint3				0 = Off	0 = Off 1 = 2 ms 2 = 5 ms 3 = 10 ms 4 = 20 ms 5 = 50 ms 6 = 100 ms 7 = 200 ms
Parameter.ON Delay	0x0001	1	4 (Bit3...5)	R/W	Uint3				0 = Off	0 = Off 1 = 2 ms 2 = 5 ms 3 = 10 ms 4 = 20 ms 5 = 50 ms 6 = 100 ms 7 = 200 ms
Parameter.Switch Point	0x0001	1	3	R/W	Uint8				250	0...255
Parameter.A1 NO/NC	0x0001	1	1 (Bit3)	R/W	Bool				0 = NO	0 = NO 1 = NC
Parameter.A2 Pin Function	0x0001	1	2 (Bit1...2)	R/W	Uint2				0 = Antivalent	0 = Antivalent 1 = Error NO 2 = Error NC 3 = Deactivated
Parameter.PNP/NPN/Push-Pull	0x0001	1	2 (Bit3...4)	R/W	Uint2				1 = PNP	0 = Push-Pull 1 = PNP 2 = NPN
Parameter.Emitted Light	0x0001	1	2 (Bit7)	R/W	Bool				0 = ON	0 = ON 1 = OFF
Parameter.Teach	0x0001	1	1 (Bit0)	R/W	Bool				0 = No Action	0 = No Action 1 = Do Teach-in
Parameter.Teach Mode	0x0001	1	1 (Bit1)	R/W	Bool				0 = Two Point	0 = Two Point 1 = Dynamic
Parameter.Last Teach State	0x0001	1	1 (Bit2)	R	Bool				0 = Successful	0 = Successful 1 = Failed
Parameter.Threshold Percentage	0x0001	1	1 (Bit4...6)	R/W	Uint3				2 = 30 %	0 = 10 % 1 = 20 % 2 = 30 % 3 = 40 % 4 = 50 % 5 = 60 % 6 = 80 % 7 = Custom
Parameter.Factory Reset	0x0001	1	1 (Bit7)	R/W	Bool				0 = No Action	0 = No Action 1 = Reset