

# EN

# SEFG5xx

Safety Light Curtains



Interface Protocol

# IO-Link SEFG5xx

## 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)
<b>Finger protection</b>				
SEFG531	0x32	50	320000	3276800
SEFG532	0x32	50	321000	3280896
SEFG533	0x32	50	322000	3284992
SEFG534	0x32	50	323000	3289088
SEFG535	0x32	50	324000	3293184
SEFG536	0x32	50	325000	3297280
SEFG537	0x32	50	326000	3301376
SEFG538	0x32	50	327000	3305472
SEFG539	0x32	50	328000	3309568
SEFG540	0x32	50	329000	3313664
SEFG541	0x32	50	32A000	3317760
SEFG542	0x32	50	32B000	3321856
<b>Hand protection</b>				
SEFG511	0x32	50	320800	3278848
SEFG512	0x32	50	321800	3282944
SEFG513	0x32	50	322800	3287040
SEFG514	0x32	50	323800	3291136
SEFG515	0x32	50	324800	3295232
SEFG516	0x32	50	325800	3299328
SEFG517	0x32	50	326800	3303424
SEFG518	0x32	50	327800	3307520
SEFG519	0x32	50	328800	3311616
SEFG520	0x32	50	329800	3315712
SEFG521	0x32	50	32A800	3319808
SEFG522	0x32	50	32B800	3323904

IO-Link Version: V1.1  
Data Storage: Yes  
Blockparameter: No  
SIO-Mode: No  
COM-Mode: COM2

Finger protection	Type number	MinCycleTime [ms]	DeviceCycleTime A [ms]	DeviceCycleTime B [ms]
SEFG531	0x00	4,5	3,990	4,006
SEFG532	0x10	4,5	4,890	4,906
SEFG533	0x20	4,5	5,790	5,806
SEFG534	0x30	4,5	6,690	6,706
SEFG535	0x40	4,5	7,590	7,606
SEFG536	0x50	4,5	8,490	8,506
SEFG537	0x60	4,5	9,390	9,406
SEFG538	0x70	4,5	10,290	10,306
SEFG539	0x80	4,5	11,190	11,206
SEFG540	0x90	4,5	12,090	12,106
SEFG541	0xA0	4,5	12,990	13,006
SEFG542	0xB0	4,5	13,890	13,906
Hand protection				
SEFG511	0x08	4,5	3,570	3,586
SEFG512	0x18	4,5	3,990	4,006
SEFG513	0x28	4,5	4,470	4,486
SEFG514	0x38	4,5	4,890	4,906
SEFG515	0x48	4,5	5,370	5,386
SEFG516	0x58	4,5	5,790	5,806
SEFG517	0x68	4,5	6,270	6,286
SEFG518	0x78	4,5	6,690	6,706
SEFG519	0x88	4,5	7,170	7,186
SEFG520	0x98	4,5	7,590	7,606
SEFG521	0xA8	4,5	8,070	8,086
SEFG522	0xB8	4,5	8,490	8,506

### Process Data (Length: 8 Byte)

Name	Byte	Length	Range	Unit
Reserve	0	7 Byte	0...255	—
Device State	7	1 Byte	0...0xFF: 0: normal Operation 1: parametrization PushButton (directly on the sensors) 2: parametrization IO-Link 3...9: unused From 10: Error Number	—

## Parameter

Name	Index (hex)	Index (dec)	Sub-index	R/W	Length	Data Storage	Dynamic	Modify others	Default Value	Range
<b>Identification</b>										
Vendor Name	0x0010	16	0	RO	String				wenglor sensoric GmbH	
Vendor Text	0x0011	17	0	RO	String				the innovative family	
Product Name	0x0012	18	0	RO	String				SEFG5xx	
Product ID	0x0013	19	0	RO	String				SEFG5xx	
Product Text	0x0014	20	0	RO	String				Safety Light Curtains	
Serial Number	0x0015	21	0	RO	String				—	
SAP Number	0x0042	66	0	RO	String [10]				—	
System Revision	0x0043	67	0	RO	String [2]				—	
Hardware Revision	0x0016	22	0	RO	String				—	
Firmware Revision	0x0017	23	0	RO	String				—	
Application Specific Name	0x0018	24	0	RW	String [32]				***	
<b>Parameter</b>										
<b>Device Settings</b>										
System Command	0x0002	2	0	WO	Uint8			X	—	Factory Reset = 0x82 (130)
Device Access Locks	0x000C	12	0	RW	Uint16				0x0000	0...0x000F: Bit 0: Parameter write access Locked Bit 1: unused (Data Storage locked) Bit 2: unused (Local parameterization Locked) Bit 3: Reserved
Password Entry	0x0040	64	0	WO	Uint16				0	0...9999
Parameterization End	0x0041	65	0	RW	Uint8				0	0..2: 0: No 1: Save + Restart 2: Cancel + Restart
Password Change	0x0100	256	0	RW	Uin16				0...9999	0...9999
Identification	0x0101	257	0	RO	Uin16				3	0...65535
<b>Basic Settings</b>										
Code (Beam Coding)	0x0103	259	0	R/W	Uint8				0	0: Off 1: On
High Range	0x0104	260	0	R/W	Uint8				0	0: Off 1: On