



FS 25-R(L)-L-...

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www.sensopart.com

GENERAL INFORMATION	
Communication mode IO-Link	COM 2
Min. cycle time	2.3 ms
SIO mode	supported
Length process data	8 Bit
Vendor ID	347 (0x01 0x5B)
Device ID	17153 / 19713
Data storage	supported
Specification IO-Link	1.1

PROCESS DATA							
SMART-SENSOR PROFILE							
Byte 0							
7	6	5	4	3	2	1	0
x	x	x	x	x	x	x	Emitter
1 = emitter on, 0 = emitter off							

IDENTIFICATION DATA						
Index dec / hex	Access	Data type	Length		Description	Comment
16 / 0x10	Read	String	Max. 64 Byte		Vendor name	SensoPart Industriesensorik GmbH
17 / 0x11					Vendor text	www.sensopart.com
18 / 0x12					Product name	FS 25-RL-L-... FS 25-R-L-...
19 / 0x32					Product ID	605-11012 605-11013 605-11009 605-11010
20 / 0x11					Product text	Device specific
23 / 0x17					Firmware revision	1.0

SMART SENSOR PROFILE PARAMETER								
Index in dec / hex	Access	Data type	Length	Subindex	Default value	Range	Description	Comment
24 / 0x18	Read / write	StringT	32 characters		**** ... ****		Application text	Free text, e.g. item designation

PARAMETER									
Index dec / hex	Access	Data type	Length	Subindex	Default value	Range	Description	Comment	
88 / 0x58	Read	Uint	32 Bit	1			Read operating data		
							Counter operating hours	No reset possible	
95 / 0x5F	Read	String		1	Device specific		Read sensor characteristics		
				5	Device specific		Operating range		
				6	≤ 30 mA		Type of light and laser class		
							No-load current		
					-20 ... 60 °C		Ambient temperature		
221 / 0xDD	Read / write	Uint	8 Bit	1	1	0, 1	Control input		
							Control input PIN 2	0 = PIN 2 disable 1 = PIN 2 active	

SYSTEM COMMANDS								
Index dec / hex	Access	Data type	Length		Function dec / hex	Range	Description	Comment
					160 / 0xA0		Emitter off	
					161 / 0xA1		Emitter on	
					175 / 0xAF		Detect sensor	1x activated - sensor flashes 60 s 2x activated - permanent flashing 3x activated - stop permanent flashing
					128 / 0x80		Reset sensor	
					130 / 0x82		Factory setting	

EVENTS				
Event	Status value	Warning		
20480 / 0x5000	4	Error	Device hardware fault	Default: deactivated ¹⁾
20497 / 0x5011	4	Error	Non-volatile memory loss	
65425 / 0xFF91	0	Notice	Data storage - upload request	Not blockable via 0x51
16384 / 0x4000	4	Error	Temperature fault	Temperature range exceeded; default: deactivated ¹⁾

¹⁾ For activation use function 0x51