



8021013 0717

IMC...C05

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9253114 0717

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SICK AG, Erwin-Sick-Strasse 1, D 79183 Waldkirch	

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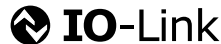
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Please note the validity of the additional operating instructions for automation functions

ENGLISH

1. Physical layer

Note: The IO-Link Device's max. current consumption (inclusive load current) shall not exceed the the master port's max. output power current.

SIO Modus	yes
Min Cycle Time	5.0 ms
Baudrate ²	COM2
Process Data Length	4 Byte
IODD version	V1.10
Valid for IO-Link version	1.1.0

2. Process data

Record: 4 Byte

Bitoffset																		
Byte 0	Analog value		31		30		29		28		27		26		25		24	
Type/Subindex	Unsigned Integer 16																	
Bitoffset										16								
Byte 1	Analog value		23		22		21		20		19		18		17		16	
Type/Subindex	Unsigned Integer 16																	
Bitoffset										8								
Byte 2			15		14		13		12		11		10		9		8	
Type/Subindex																		
Bitoffset										0								
Byte 3			7		6		5		4		3		2		1		0	
Type/Subindex			Boolean 4		Boolean 3		Boolean 2		Boolean 1									

3. Service data

The following ISDUs will not be saved via Data-Storage: Direct Parameters 1, Direct Parameters 2 and Device Specific Name

IO-Link specific							
Index dec (hex)	Name	Format (Offset)	Length	Access ¹	Default Value	Value / Range	Remark [Unit]
16 (0x10)	Vendor Name	String	64 Byte	ro	SICK AG		
18 (0x12)	Product Name	String	64 Byte	ro			
19 (0x13)	Product ID	String	64 Byte	ro			
20 (0x14)	Product Text	String	64 Byte	ro			
21 (0x15)	Serial Number	String	16 Byte	ro			
22 (0x16)	Hardware Version	String	64 Byte	ro			
23 (0x17)	Firmware Version	String	64 Byte	ro			
24 (0x18)	Application Specific Tag	String	32 Byte	rw	***		
36 (0x24)	Device Status	UInt	8 Bit	ro	0	0 = Device is OK 1 = Maintenance required 2 = Out of specification 3 = Functional check 4 = Failure 5...255 = Reserved	

SICK device specific							
Index dec (hex)	Name	Format (Offset)	Length	Access ¹	Default Value	Value / Range	Remark [Unit]
59 (0x3B)	Teach-In state	UInt	8 Bit	ro	0	0 = IDLE 1 = 1 LAYER SUCCESS 2 = 2 LAYERS SUCCESS 3 = 12 LAYERS SUCCESS 4 = WAIT FOR COMMAND 5 = BUSY 6 = RESERVED 7 = ERROR	
64 (0x40)	Device Specific Name	String	32 Byte	rw	***		

DEUTSCH

1. Physikalische Schicht

Hinweis: Max. Stromaufnahme des IO-Link Devices (inkl. Lastströme) darf max. Ausgangsstrom des Master-Ports nicht überschreiten.

SIO Modus	ja
Min. Zykluszeit	5.0 ms
Baudrate ²	COM2
Prozessdatenlänge	4 Byte
IODD Version	V1.10
Gültig für IO-Link Version	1.1.0

2. Prozessdaten

Record: 4 Byte

Bitoffset																		
Byte 0	Analogwert		31		30		29		28		27		26		25		24	
Type/Subindex	Unsigned Integer 16																	
Bitoffset										16								
Byte 1	Analogwert		23		22		21		20		19		18		17		16	
Type/Subindex	Unsigned Integer 16																	
Bitoffset										8								
Byte 2			15		14		13		12		11		10		9		8	
Type/Subindex																		
Bitoffset										0								
Byte 3			7		6		5		4		3		2		1		0	
Type/Subindex			Boolean 4		Boolean 3		Boolean 2		Boolean 1									

3. Servicedaten

Die folgenden ISDUs werden nicht über Data-Storage gesichert: Direkte Parameter 1, Direkte Parameter 2 und Gerätespezifischer Eintrag

IO-Link spezifisch								
Index dez (hex)	Name	Format (Offset)	Länge	Zugriff ¹	Standard Wert	Wertebereich	Bemerkung [Einheit]	
16 (0x10)	Herstellername	String	64 Byte	ro	SICK AG			
18 (0x12)	Produktname	String	64 Byte	ro				
19 (0x13)	Produkt-ID	String	64 Byte	ro				
20 (0x14)	Produkttext	String	64 Byte	ro				
21 (0x15)	Seriennummer	String	16 Byte	ro				
22 (0x16)	Hardwareversion	String	64 Byte	ro				
23 (0x17)	Firmwareversion	String	64 Byte	ro				
24 (0x18)	Anwendungsspezifische Markierung	String	32 Byte	rw	***			
36 (0x24)	Gerätestatus	UInt	8 Bit	ro	0	0 = Gerät ist OK 1 = Wartung erforderlich 2 = Außerhalb der Spezifikation 3 = Funktionsprüfung 4 = Fehler 5...255 = Reserviert		

SICK spezifisch								
Index dez (hex)	Name	Format (Offset)	Länge	Zugriff ¹	Standard Wert	Wertebereich	Bemerkung [Einheit]	
59 (0x3B)	Teach-in-Status	UInt	8 Bit	ro	0	0 = Bereit 1 = 1 Lage erfolgreich 2 = 2 Lagen erfolgreich 3 = Lage 12 erfolgreich 4 = Warte auf Befehl 5 = In Arbeit 6 = Reserve 7 = Fehler		
64 (0x40)	Gerätespezifischer Eintrag	String	32 Byte	rw	***			



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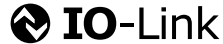
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ENGLISH					
Standard command					
Index dec (hex)		Access ¹	Value	Name	Remark [Unit]
2 (0x02)	Standard Command	wo	65	Teach 1 layer	
			66	Teach 2 layers	
			130	Restore Factory Settings	

DEUTSCH					
Standardkommando					
Index dez (hex)		Zugriff ¹	Wert	Name	Bemerkung [Einheit]
2 (0x02)	Standardkommando	wo	65	Teach 1 Lage	
			66	Teach 2 Lagen	
			130	Auslieferungszustand wiederherstellen	