



8026809 0421

SLG-2
8389226
2340449598
9327779 0421 (1.1.0)

Australia Phone +61 3 9467 0800	Osterreich Phone +43 (0)22 36 62 28 8-0
Belgium/Luxembourg Phone +32 (0)2 468 35 66	Norge Phone +47 67 61 50 00
Brasil Phone +55 11 9215-4900	Polka Phone +48 22 837 40 50
Canada Phone +1 905 771 14 44	România Phone +40 356 171 120
China Phone +86 4000 121 000 +862353 6300	Russia Phone +7 495 775 09 30
Danmark Phone +45 45 82 64 00	Schweiz Phone +41 41 619 29 39
Deutschland Phone +49 211 5361 301	Singapore Phone +65 6744 3732
España Phone +34 93 480 31 00	South Korea Phone +82 2 786 6321/4
France Phone +33 1 64 62 35 00	Spain Phone +358 9 25 15 800
Great Britain Phone +44 (0)1727 831521	Sverige Phone +46 10 110 10 00
India Phone +91-22-4033 8333	Taiwan Phone +886 2 2375 6288
Israel Phone +972 4 6801000	Türkiye Phone +90 (216) 528 50 00
Italia Phone +39 02 27 43 41	United Arab Emirates Phone +971 (0)4 5565 878
Japan Phone +81 (03) 5309 2112	USA/Mexico Phone +1 952 941 6780
Magyarország Phone +36 1 371 2680	
Niederland Phone +31 (0)30 229 25 44	

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

Please find detailed addresses and additional representatives and agencies in all major industrial nations at www.sick.com

More representatives and agencies at www.sick.com - Subject to change without notice - The specified product features and technical data do not represent any guarantee.

Weitere Niederlassungen finden Sie unter www.sick.com - Irrtümer und Änderungen vorbehalten - Angegebene Produkteigenschaften und technische Daten stellen keine Garantieerklärung dar.
Plus de représentations et d'agences à l'adresse www.sick.com - Sujet à modification sans préavis - Les caractéristiques de produit et techniques indiquées ne constituent pas de déclaration de garantie.

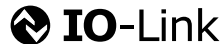
Para mais representantes e agências, consulte www.sick.com - Alterações poderão ser feitas sem prévio aviso - As características do produto e os dados técnicos apresentados não constituem declaração de garantia.
Flere representanter og agenturer på www.sick.com - Med forbehold for ændringer og fejl - De anførte produktdata og tekniske data udgør ikke nogen garantioplysning.

Altri rappresentanti ed agenzie si trovano su www.sick.com - Contenuti soggetti a modifiche senza preavviso - Le caratteristiche del prodotto e i dati tecnici non rappresentano una dichiarazione di garanzia.

Meer vestigingen en vertegenwoordigingen vindt u op www.sick.com - Wijzigingen en correcties voorbehouden - Aangegeven producteigenschappen en technische gegevens vormen geen garantieverklaring.

Más representantes y agencias en www.sick.com - Sujeto a cambio sin previo aviso - Las características y los datos técnicos especificados no constituyen ninguna declaración de garantía.

欲了解更多代表机构和代理商信息，请登录 www.sick.com - 如有更改，不另行通知 - 对所给出的产品特性和技术参数 的正确性不予保证。



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 master port's max. output power current.

SIO Modus	yes
Min Cycle Time	2.3 ms
Baudrate ²	COM3
Process Data Length (IN)	32 Byte
Process Data Length (OUT)	1 Byte
IO-Link version	V1.0.0
Valid for IO-Link version	1.1.0

2. Process data

Array¹: 32 Byte

Bitoffset	0	1	2	3
Byte/Name	Process Data In: see Index 67			
Type/Subindex	Array			
Bitoffset	4	5	6	7
Byte/Name	Process Data In			
Type/Subindex	Array			
Bitoffset	8	9	10	11
Byte/Name	Process Data In			
Type/Subindex	Array			
Bitoffset	12	13	14	15
Byte/Name	Process Data In			
Type/Subindex	Array			
Bitoffset	16	17	18	19
Byte/Name	Process Data In			
Type/Subindex	Array			
Bitoffset	20	21	22	23
Byte/Name	Process Data In			
Type/Subindex	Array			
Bitoffset	24	25	26	27
Byte/Name	Process Data In			
Type/Subindex	Array			
Bitoffset	28	29	30	31
Byte/Name	Process Data In			
Type/Subindex	Array			
Record ³ : 1 Byte				
Bitoffset	0			
Byte/Name	see *Process Data Out			
Type/Subindex	1			

Reference: *Process Data Out

Bitoffset	7	6	5	4	3	2	1	0
Byte 0	Reserved	Teach-in	Blocked Beams Hold (BBH)	Reserved	Reserved	Reserved	Reserved	Reserved
Type/Subindex	Boolean	Boolean	Boolean	Boolean	Boolean	Boolean	Boolean	Boolean

3. Service data

The following ISDUs will not be saved via Data-Storage: Device Access Locks, Device specific tag, Alignment aid enable and Find me

IO-Link specific	Index dec (hex)	Name	Format (Offset)	Length	Access ¹	Default Value	Value / Range	Remark [Unit]
	16 (0x10)	Vendor Name	String	16 Byte	ro	SICK AG		
	17 (0x11)	Vendor Text	String	32 Byte	ro	www.sick.com		
	18 (0x12)	Product Name	String	64 Byte	ro			
	20 (0x14)	Product Text	String	64 Byte	ro			
	21 (0x15)	Serial Number	String	8 Byte	ro			
	22 (0x16)	Hardware Version	String	12 Byte	ro			
	23 (0x17)	Firmware Version	String	30 Byte	ro			
	24 (0x18)	Application Specific Tag	String	32 Byte	rw	*****		

¹ ro = read only, wo = write only, rw = read/write

² COM values specify the bitrate (see IO-Link specification): COM1 (4,8 kbit/s), COM2 (38,4 kbit/s), COM3 (230,4 kbit/s)

³ Subindex access not supported



8026809 0421

SLG-2

8389226

2340449598

9327779 0421 (1.1.0)

<p>Australia Phone +61 3 9467 0800</p> <p>Belgium/Luxembourg Phone +32 (0)2 468 35 66</p> <p>Brasil Phone +55 11 3215-4900</p> <p>Canada Phone +1 905 771 14 44</p> <p>China Phone +86 4000 121 000 +852 2353 6300</p> <p>Danmark Phone +45 45 82 64 00</p> <p>Deutschland Phone +49 211 5301 301</p> <p>España Phone +34 93 480 31 00</p> <p>France Phone +33 1 64 62 39 00</p> <p>Great Britain Phone +44 (0)1727 831121</p> <p>India Phone +91 22 4033 8333</p> <p>Israel Phone +972 4 6801000</p> <p>Italia Phone +39 02 27 43 41</p> <p>Japan Phone +81 (03) 5309 2112</p> <p>Magnesium Phone +36 1 371 2680</p> <p>Niederland Phone +31 (0)30 229 25 44</p> <p>SICK AG, Erwin-Sick-Strasse 1, D.79183 Waldkirch</p>	<p>Osterreich Phone +43 (0)32 36 62 28 8-0</p> <p>Norge Phone +47 67 61 50 00</p> <p>Polska Phone +48 22 837 40 50</p> <p>România Phone +40 356 171 120</p> <p>Russia Phone +7 495 775 09 30</p> <p>Schweiz Phone +41 41 619 29 39</p> <p>Schweden Phone +45 6744 3732</p> <p>Sveits Phone +386 (0)147 69 990</p> <p>South Africa Phone +27 11 472 3733</p> <p>South Korea Phone +82 2 786 6321/4</p> <p>Suomi Phone +358 9 25 15 800</p> <p>Sverige Phone +46 10 110 10 00</p> <p>Taiwan Phone +886 2 2375 6288</p> <p>Türkiye Phone +90 (216) 528 50 00</p> <p>United Arab Emirates Phone +971 (0)4 556 55 878</p> <p>USA/Mexico Phone +1 950 941 6780</p>
---	--

Please find detailed addresses and additional representatives and agencies in all major industrial nations at www.sick.com

8211483

More representatives and agencies at www.sick.com - Subject to change without notice - The specified product features and technical data do not represent any guarantee.

Weitere Niederlassungen finden Sie unter www.sick.com - Irrtümer und Änderungen vorbehalten - Angegebene Produkteigenschaften und technische Daten stellen keine Garantieerklärung dar.

Plus de représentations et d'agences à l'adresse www.sick.com - Sujet à modification sans préavis - Les caractéristiques de produit et techniques indiquées ne constituent pas de déclaration de garantie.

Para mais representantes e agências, consulte www.sick.com - Alterações poderão ser feitas sem prévio aviso - As características do produto e os dados técnicos apresentados não constituem declaração de garantia.

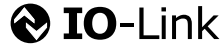
Flere repræsentanter og agenturer på www.sick.com - Med forbehold for ændringer og fejl - De angivne produktdata og tekniske data udgør ikke nogen garantierklæring.

Altri rappresentanti ed agenzie si trovano su www.sick.com - Contenuti soggetti a modifiche senza preavviso - Le caratteristiche del prodotto e i dati tecnici non rappresentano una dichiarazione di garanzia.

Meer vestigingen en correcties voorbehouden - Aangegeven producteigenschappen en technische gegevens vormen geen garantieverklaring.

Más representantes y agencias en www.sick.com - Sujeto a cambio sin previo aviso - Las características y los datos técnicos especificados no constituyen ninguna declaración de garantía.

欲了解更多代表机构和代理商信息，请登录 www.sick.com - 如有更改，不另行通知 - 对所给出的产品特性和技术参数正确性不予保证。



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

ENGLISH

IO-Link specific							
Index dec (hex)	Name	Format (Offset)	Length	Access ¹	Default Value	Value / Range	Remark [Unit]
36 (0x24)	Device Status	UInt	8 Bit	ro	3	0 = Device is OK 1 = Maintenance required 2 = Out of specification 3 = Functional check 4 = Failure 5...255 = Reserved	
37 (0x25)	Detailed Device Status	Array ³	24 Byte	ro		Octet String [8]	Provides a chronologic list about currently pending events of type "Error" or "Warning".
40 (0x28)	Process Data Input	PD In	32 Byte	ro			
41 (0x29)	Process Data Output	PD Out	1 Byte	ro			
SICK device specific							
Index dec (hex)	Name	Format (Offset)	Length	Access ¹	Default Value	Value / Range	Remark [Unit]
64 (0x40)	Device specific tag	String	32 Byte	rw	*****		E.g. "Next service in 2025". Will not be stored in the Data Storage.
66 (0x42)	Performance options	UInt	8 Bit	rw		0 = Disabled 1 = 3 x crossbeam 2 = 5 x crossbeam 3 = 7 x crossbeam 4 = 9 x crossbeam	Crossbeam performance options can enhance the light grid resolution for presence detection in certain areas. The available options depend on the product variant and may be restricted. See "Performance options restriction" (index 439).
67 (0x43)	Process data user definition	Record	32 Byte	rw			Each process data byte is a slot within the total process data packet and can be assigned with the given process data functions. If 'No Function' is selected (empty slot) the content is = 0.
1 (0x01)	Byte 1	Bit (248)	8 Bit	rw		0 = No Function 1 = System status 3 = QL / Qint. 11 = Beam 1..8 12 = Beam 9..16 13 = Beam 17...24 14 = Beam 25..32 15 = Beam 33...40 16 = Beam 41...48 17 = Beam 49...56 18 = Beam 57...64 19 = Beam 65...72 20 = Beam 73...80 21 = Beam 81...88 22 = Beam 89...96 23 = Beam 97...104 24 = Beam 105..112 25 = Beam 113..120 26 = Beam 121..128 27 = Beam 129..136 28 = Beam 137..144 29 = Beam 145..152 30 = Beam 153..160 31 = Beam 161..168 32 = Beam 169..176 33 = Beam 177..184 34 = Beam 185..192 35 = Beam 193..200 36 = Beam 201..208 37 = Beam 209..216 38 = Beam 217..224 39 = Beam 225..232 40 = Beam 233..240 44 = Number beams blocked (NBB) of zone 1 45 = Number beams blocked (NBB) of zone 2 46 = Number beams blocked (NBB) of zone 3 47 = Number beams blocked (NBB) of zone 4 60 = First beam blocked (FBB) of zone 1 61 = First beam blocked (FBB) of zone 2 62 = First beam blocked (FBB) of zone 3 63 = First beam blocked (FBB) of zone 4 76 = Last beam blocked (LBB) of zone 1 77 = Last beam blocked (LBB) of zone 2 78 = Last beam blocked (LBB) of zone 3 79 = Last beam blocked (LBB) of zone 4	Byte 1 to Byte 32 have the same value definition. To keep this supplement clear Byte 1 is represented only. The bit offsets of the remaining bytes follow in decreasing manner (240, 232, 224, ..., 8, 0).
69 (0x45)	Alignment aid enable	UInt	8 Bit	rw	0	0 = Disabled 1 = Enabled	Enables/disables the alignment aid feature which is used to find the best transmitter-receiver alignment. Use "Alignment aid" (index 109) for monitoring the signal strength values.
71 (0x47)	Auto teach-in	Bool	1 Bit	rw		true = Enabled false = Disabled	Enables automatic teach-in after device startup, data-storage download and if factory setting are restored (if this option is set as default - depends on product variant). Teach-in can also be applied via "Standard Command" (index 2) value 160.
72 (0x48)	Beam mask	Record	32 Byte	rw			Beam status user mask. Each bit corresponds to one beam: 1 = beam active, 0 = beam masked. Remaining 16 bits are reserved.
1 (0x01)	Beam 1...32	Bit (224)	32 Bit	rw	4294967295		
2 (0x02)	Beam 33...64	Bit (192)	32 Bit	rw	4294967295		

¹ro = read only, wo = write only, rw = read/write

²COM values specify the bitrate (see IO-Link specification): COM1 (4,8 kbit/s), COM2 (38,4 kbit/s), COM3 (230,4 kbit/s)

³Subindex access not supported

SICK

8026809 0421

SLG-2
8389226

2340449598
9327779 0421 (1.1.0)

<p>Australia Phone +61 3 9467 0800</p> <p>Belgium/Luxembourg Phone +32 (0)2 468 55 66</p> <p>Brazil Phone +55 11 3215-4900</p> <p>Canada Phone +1 905 771 14 44</p> <p>China Phone +86 4000 121 000 +852 2353 6300</p> <p>Denmark Phone +45 45 82 64 00</p> <p>Deutschland Phone +49 211 5301 301</p> <p>España Phone +34 93 480 31 00</p> <p>France Phone +33 1 64 62 39 00</p> <p>Great Britain Phone +44 (0)1727 831521</p> <p>India Phone +91-22-4033 8333</p> <p>Israel Phone +972-4-6801000</p> <p>Italia Phone +39 02 27 43 41</p> <p>Japan Phone +81 (03) 5309 2112</p> <p>Magnetsverige Phone +36 1 371 2680</p> <p>Niederland Phone +31 (0)30 229 25 44</p> <p>SICK AG, Erwin-Sick-Strasse 1, D 79183 Waldkirch</p>	<p>Osterreich Phone +43 (0)32 36 62 28 8-0</p> <p>Norge Phone +47 67 61 50 00</p> <p>Polska Phone +48 22 837 40 50</p> <p>România Phone +40 356 171 120</p> <p>Russia Phone +7 495 775 09 30</p> <p>Schweiz Phone +41 41 619 29 39</p> <p>Singapore Phone +65 6744 3732</p> <p>Severní Korea Phone +82 2 786 6321/4</p> <p>South Korea Phone +82 2 786 6321/4</p> <p>Spain Phone +358 9 25 15 800</p> <p>Sverige Phone +46 10 110 10 00</p> <p>Taiwan Phone +886 2 2375 6288</p> <p>Türkiye Phone +90 (216) 528 50 00</p> <p>United Arab Emirates Phone +971 (0)4 5565 878</p> <p>USA/Mexico Phone +1 950 241 6780</p>
---	--

Please find detailed addresses and additional representatives and agencies in all major industrial nations at www.sick.com

8211463

More representatives and agencies at www.sick.com - Subject to change without notice - The specified product features and technical data do not represent any guarantee.

Weitere Niederlassungen finden Sie unter www.sick.com - Irrtümer und Änderungen vorbehalten - Angegebene Produkteigenschaften und technische Daten stellen keine Garantieerklärung dar.

Plus de représentations et d'agences à l'adresse www.sick.com - Sujet à modification sans préavis - Les caractéristiques de produit et techniques indiquées ne constituent pas de déclaration de garantie.

Para mais representantes e agências, consulte www.sick.com - Alterações poderão ser feitas sem prévio aviso - As características do produto e os dados técnicos apresentados não constituem declaração de garantia.

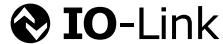
Flere repræsentanter og agenturer på www.sick.com - Med forbehold for ændringer og fejl - De angivne produktdata og tekniske data udgør ikke nogen garanti erklæring.

Altri rappresentanti ed agenzie si trovano su www.sick.com - Contenuti soggetti a modifiche senza preavviso - Le caratteristiche del prodotto e i dati tecnici non rappresentano una dichiarazione di garanzia.

Meer vestigingen en vertegenwoordigingen vindt u op www.sick.com - Wijzigingen en correcties voorbehouden - Aangegeven producteigenschappen en technische gegevens vormen geen garantieverklaring.

Más representantes y agencias en www.sick.com - Sujeto a cambio sin preaviso - Las características y los datos técnicos especificados no constituyen ninguna declaración de garantía.

欲了解更多代表机构和代理商信息，请登录 www.sick.com - 如有更改，不另行通知 - 对所给出的产品特性和技术参数 的正确性不予保证。



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

ENGLISH

SICK device specific							
Index dec (hex)	Name	Format (Offset)	Length	Access ¹	Default Value	Value / Range	Remark [Unit]
3 (0x03)	Beam 65...96	Bit (160)	32 Bit	rw	4294967295		
4 (0x04)	Beam 97...128	Bit (128)	32 Bit	rw	4294967295		
5 (0x05)	Beam 129...160	Bit (96)	32 Bit	rw	4294967295		
6 (0x06)	Beam 161...192	Bit (64)	32 Bit	rw	4294967295		
7 (0x07)	Beam 193...224	Bit (32)	32 Bit	rw	4294967295		
8 (0x08)	Beam 225...240	Bit (0)	32 Bit	rw	65535	0...65535	
74 (0x4A)	Beam numeration	Bool	1 Bit	rw		true = Beam no. 1 is at head side false = Beam no. 1 is at connector side	With this option the beam numbering can be swapped.
84 (0x54)	System properties	Record	17 Byte	ro			Provides information about the number of beams and resolution as well as the achieved timing performance which depend on the configured "Performance options" (index 66).
1 (0x01)	Number of beams	Bit (128)	8 Bit	ro		0...240	The number of available beams.
2 (0x02)	Beam spacing	Bit (96)	4 Byte	ro			The beam spacing in millimeter.
3 (0x03)	Reproducibility	Bit (64)	32 Bit	ro		0 = N/A 1...4294967295	The repeat accuracy of a measurement result (reproducibility) is the amount of time by which an object detection can differ from a previous or subsequent detection. Is 1 x the scan time in parallel beam mode and 1.5 x scan time in cross beam mode.
4 (0x04)	Minimum presence time	Bit (32)	32 Bit	ro		0 = N/A 1...4294967295	The minimum presence time is the time an object has to be in the detection area for it to be detected. The minimum presence time is max. 2 x the scantime.
5 (0x05)	Response time	Bit (0)	32 Bit	ro		0 = N/A 1...4294967295	The response time is the time it takes for an output to react following the detection of an object.
99 (0x63)	Teach-in necessary	Bool	1 Bit	ro	true	true = Yes false = No	This flag indicates whether there is a teach-in necessary or not.
100 (0x64)	System status	Record ³	1 Byte	ro			Contains info, warning and error flags for essential system diagnosis in addition to "Device Status" (index 36).
1 (0x01)	Pin short circuit error	Bit (0)	1 Bit	ro		true = Yes false = No	This bit is set in case of a short circuit on at least one switching output.
2 (0x02)	Invalid process data	Bit (1)	1 Bit	ro		true = Yes false = No	The process data PDin is not valid and therefore shall not be used for application processing if this bit is set.
3 (0x03)	Temperature or operating hours alarm	Bit (2)	1 Bit	ro		true = Yes false = No	This bit is set if the configured upper/lower temperature or operating hours threshold is hit. See "Alarm thresholds for diagnostic parameters" (index 179) to setup the thresholds.
4 (0x04)	Busy	Bit (3)	1 Bit	ro		true = Yes false = No	This bit is set during an ongoing configuration e.g. system command teach-in.
5 (0x05)	Quality of run alarm	Bit (4)	1 Bit	ro		true = Yes false = No	This bit is set if quality of run alarm is set. E.g. in case of contamination.
6 (0x06)	Hardware error	Bit (5)	1 Bit	ro		true = Yes false = No	This bit is set in case of a hardware error.
7 (0x07)	Teach-in error	Bit (6)	1 Bit	ro		true = Yes false = No	This bit is set in case of a teach-in error.
8 (0x08)	Sync error	Bit (7)	1 Bit	ro		true = Yes false = No	If both sync. beams are blocked for a certain time this error bit is set, because process data becomes invalid.
109 (0x6D)	Alignment aid	Record ³	3 Byte	ro			Provides signal strength indicators to find the best transmitter-receiver alignment. Enable via "Alignment aid enable" (index 69) first, then deviate the light grids to find the maximum signal strength values.
1 (0x01)	Signal strength first beam	Bit (16)	8 Bit	ro	255	0...100 255 = Not available	The signal strength of the first beam in percent. [%]
2 (0x02)	Signal strength last beam	Bit (8)	8 Bit	ro	255	0...100 255 = Not available	The signal strength of the last beam in percent. [%]
3 (0x03)	Signal strength weakest beam	Bit (0)	8 Bit	ro	255	0...100 255 = Not available	The signal strength of the weakest beam in percent. [%]
121 (0x79)	Pin 2 configuration	UInt	8 Bit	rw		0 = Deactivated / no function 1 = External input (Smart Task) 13 = Blocked beams hold (BBH) 17 = Teach-in 34 = Switching signal QL2 80 = Masked system status	Configuration of pin 2 output or input function.
153 (0x99)	Temperature	Record	5 Byte	ro			Provides current, minimum and maximum internal CPU temperature values in degree Celsius.
1 (0x01)	Current temperature	Bit (32)	8 Bit	ro			Internal device temperature in °C. [°C]
2 (0x02)	Max. temperature all time	Bit (24)	8 Bit	ro			Maximum internal device temperature since the production of sensor in °C. [°C]
3 (0x03)	Min. temperature all time	Bit (16)	8 Bit	ro			Minimum internal device temperature since the production of sensor in °C. [°C]
4 (0x04)	Max. temperature since last reset	Bit (8)	8 Bit	ro			Maximum internal device temperature since last reset via "System Command" (index 2) value 228 in °C. [°C]
5 (0x05)	Min. temperature since last reset	Bit (0)	8 Bit	ro			Minimum internal device temperature since last reset via "System Command" (index 2) value 228 in °C. [°C]
179 (0xB3)	Alarm thresholds for diagnostic parameters	Record	6 Byte	rw			The lower and upper temperature thresholds of the corresponding alarm (events) can be configured here.

¹ ro = read only, wo = write only, rw = read/write

² COM values specify the bitrate (see IO-Link specification): COM1 (4,8 kbit/s), COM2 (38,4 kbit/s), COM3 (230,4 kbit/s)

³ Subindex access not supported



8026809 0421

SLG-2
8389226
2340489598
9327779 0421 (1.1.0)

<p>Australia Phone +61 3 9457 0800</p> <p>Belgium/Luxembourg Phone +32 (0)2 468 55 66</p> <p>Brazil Phone +55 11 5215-4900</p> <p>Canada Phone +1 905 771 14 44</p> <p>China Phone +86 4000 121 000 +852 2553 6300</p> <p>Danmark Phone +45 45 82 64 00</p> <p>Deutschland Phone +49 211 5361 301</p> <p>España Phone +34 93 480 31 00</p> <p>France Phone +33 1 64 62 39 00</p> <p>Great Britain Phone +44 (0)1727 831521</p> <p>India Phone +91-22-4033 8333</p> <p>Israel Phone +972-4-6801000</p> <p>Italia Phone +39 02 27 43 41</p> <p>Japan Phone +81 (03) 5309 2112</p> <p>Magnetsverige Phone +36 1 371 2680</p> <p>Nedeland Phone +31 (0)30 229 25 44</p> <p>SICK AG, Erwin-Sick-Strasse 1, D 79183 Waldkirch</p>	<p>Osterreich Phone +43 (0)22 36 62 28 8-0</p> <p>Norge Phone +47 67 61 50 00</p> <p>Polska Phone +49 22 837 40 50</p> <p>România Phone +40 356 171 120</p> <p>Russia Phone +7 495 775 09 30</p> <p>Schweiz Phone +41 41 619 29 39</p> <p>Singapore Phone +65 6744 3732</p> <p>Sveits Phone +386 (0)147 69 990</p> <p>South Africa Phone +27 11 472 3733</p> <p>South Korea Phone +82 2 786 6321/4</p> <p>Spain Phone +358 9 25 15 800</p> <p>Sverige Phone +46 10 110 10 00</p> <p>Taiwan Phone +886 2 2375 6288</p> <p>Türkiye Phone +90 (216) 538 50 00</p> <p>United Arab Emirates Phone +971 (0)4 5855 878</p> <p>USA/Mexico Phone +1 952 941 6780</p>
---	---

Please find detailed addresses and additional representatives and agencies in all major industrial nations at www.sick.com

8211463

More representatives and agencies at www.sick.com - Subject to change without notice - The specified product features and technical data do not represent any guarantee.

Weitere Niederlassungen finden Sie unter www.sick.com - Irrtümer und Änderungen vorbehalten - Angegebene Produkteigenschaften und technische Daten stellen keine Garantieerklärung dar.

Plus de représentations et d'agences à l'adresse www.sick.com - Sujet à modification sans préavis - Les caractéristiques de produit et techniques indiquées ne constituent pas de déclaration de garantie.

Para mais representantes e agências, consulte www.sick.com - Alterações poderão ser feitas sem prévio aviso - As características do produto e os dados técnicos apresentados não constituem declaração de garantia. Fiere representanter og agenturer på www.sick.com - Med forbehold for ændringer og fejl - De angivne produktdata og tekniske data udgør ikke nogen garantierklæring.

Altri rappresentanti ed agenzie si trovano su www.sick.com - Contenuti soggetti a modifiche senza preavviso - Le caratteristiche del prodotto e i dati tecnici non rappresentano una dichiarazione di garanzia.

Meer vestigingen en correcties voorbehouden - Aangegeven producteigenschappen en technische gegevens vormen geen garantieverklaring.

Más representantes y agencias en www.sick.com - Sujeto a cambio sin previo aviso - Las características y los datos técnicos especificados no constituyen ninguna declaración de garantía.

欲了解更多代表机构和代理商信息，请登录 www.sick.com - 如有更改，不另行通知 - 对所给出的产品特性和技术参数的正确性不予保证。



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

ENGLISH

SICK device specific							
Index dec (hex)	Name	Format (Offset)	Length	Access ¹	Default Value	Value / Range	Remark [Unit]
1 (0x01)	Upper temperature threshold	Bit (40)	8 Bit	rw	80		The temperature alarm (event) is set when the base value exceeds this threshold in °C (hysteresis = 3 °C). [°C]
2 (0x02)	Lower temperature threshold	Bit (32)	8 Bit	rw	-30		The temperature alarm (event) is set when the base value falls below this threshold in °C (hysteresis = 3 °C). [°C]
3 (0x03)	Operating hours threshold	Bit (0)	32 Bit	rw	40000	0...1000000	If this number of *Operating hours since last reset" (index 190) is reached, the corresponding operating hours alarm event is fired.
190 (0xBE)	Operating hours	Record	8 Byte	ro			Provides the number of passed device operation in hours.
1 (0x01)	Total operating hours	Bit (32)	32 Bit	ro		0...1000000	Operating hours since production of the sensor in h. [h]
2 (0x02)	Operating hours since last reset	Bit (0)	32 Bit	ro		0...1000000	Operating hours since last reset via "System Command" (index 2) value 130 in h. [h]
204 (0xCC)	Find me	UInt	8 Bit	rw	0	0 = Deactivated 1 = Activated	Helps to locate the device. All display LEDs of the receiver blink with 1 Hz.
219 (0xDB)	Product ID (order number)	Record ³	7 Byte	ro			Order number of the SLG-2 lightgrid.
1 (0x01)	Product ID (order number)	Bit (0)	7 Byte	ro	N/A		Order number of the SLG-2 lightgrid.
227 (0xE3)	Notification handling	UInt	8 Bit	rw		0 = All enabled 1 = All disabled 2 = Events enabled, PD invalid disabled 3 = Events disabled, PD invalid enabled	Enable or disable all device specific IO-Link events and the IO-Link PD status bit within the M-Sequence protocol.
311 (0x137)	Quality of run alarm on time filter	UInt	16 Bit	rw	180		Determines the time in seconds having weak signal strength until the quality of run alarm diagnosis bit within "System status" (index 100) is set.
312 (0x138)	Quality of run alarm off time filter	UInt	16 Bit	rw	10		Determines the time in seconds having sufficient signal strength again until the quality of run alarm diagnosis bit within "System status" (index 100) is cleared.
351 (0x15F)	Qint 1 zone definition	Record	2 Byte	rw			A zone is defined by a start and end beam within all available beams (beam status). Use the advanced settings to apply different channel functions if required.
1 (0x01)	First beam of zone	Bit (8)	8 Bit	rw		0 = deactivated 1...240	First beam of Qint beam zone.
2 (0x02)	Last beam of zone	Bit (0)	8 Bit	rw		0 = deactivated 1...240	Last channel of Qint beam zone.
352 (0x160)	Qint 1 advanced settings	Record	3 Byte	rw			The advanced settings determine the boolean state of the Qint signal for the corresponding zone.
1 (0x01)	Function	Bit (16)	8 Bit	rw	0	0 = NBB (number beams blocked) of selected zone 1 = LBB (last beam blocked) of selected zone 2 = FBB (first beam blocked) of selected zone	The function which shall be used for a comparison with a constant value within the zone.
2 (0x02)	Operator	Bit (8)	8 Bit	rw	3	0 = (= equal) 1 = (unequal) 2 = > (greater) 3 = (greater or equal) 4 = < (less) 5 = (less or equal)	The operator determines the compare operation between the selected function and the constant.
3 (0x03)	Constant	Bit (0)	8 Bit	rw	1	0...240	The constant is used for the comparison with the selected function.
353 (0x161)	Qint 2 zone definition	Record	2 Byte	rw			A zone is defined by a start and end beam within all available beams (beam status). Use the advanced settings to apply different channel functions if required.
1 (0x01)	First beam of zone	Bit (8)	8 Bit	rw		0 = deactivated 1...240	First beam of Qint beam zone.
2 (0x02)	Last beam of zone	Bit (0)	8 Bit	rw		0 = deactivated 1...240	Last channel of Qint beam zone.
354 (0x162)	Qint 2 advanced settings	Record	3 Byte	rw			The advanced settings determine the boolean state of the Qint signal for the corresponding zone.
1 (0x01)	Function	Bit (16)	8 Bit	rw	0	0 = NBB (number beams blocked) of selected zone 1 = LBB (last beam blocked) of selected zone 2 = FBB (first beam blocked) of selected zone	The function which shall be used for a comparison with a constant value within the zone.
2 (0x02)	Operator	Bit (8)	8 Bit	rw	3	0 = (= equal) 1 = (unequal) 2 = > (greater) 3 = (greater or equal) 4 = < (less) 5 = (less or equal)	The operator determines the compare operation between the selected function and the constant.
3 (0x03)	Constant	Bit (0)	8 Bit	rw	1	0...240	The constant is used for the comparison with the selected function.
355 (0x163)	Qint 3 zone definition	Record	2 Byte	rw			A zone is defined by a start and end beam within all available beams (beam status). Use the advanced settings to apply different channel functions if required.
1 (0x01)	First beam of zone	Bit (8)	8 Bit	rw		0 = deactivated 1...240	First beam of Qint beam zone.
2 (0x02)	Last beam of zone	Bit (0)	8 Bit	rw		0 = deactivated 1...240	Last channel of Qint beam zone.
356 (0x164)	Qint 3 advanced settings	Record	3 Byte	rw			The advanced settings determine the boolean state of the Qint signal for the corresponding zone.
1 (0x01)	Function	Bit (16)	8 Bit	rw	0	0 = NBB (number beams blocked) of selected zone 1 = LBB (last beam blocked) of selected zone 2 = FBB (first beam blocked) of selected zone	The function which shall be used for a comparison with a constant value within the zone.

¹ ro = read only, wo = write only, rw = read/write

² COM values specify the bitrate (see IO-Link specification): COM1 (4,8 kbit/s), COM2 (38,4 kbit/s), COM3 (230,4 kbit/s)

³Subindex access not supported

SICK

8026809 0421

SLG-2
8389226
2340449598
9327779 0421 (1.1.0)

<p>Australia Phone +61 3 9457 0800</p> <p>Belgium/Luxembourg Phone +32 (0)2 468 35 66</p> <p>Brazil Phone +55 11 3215-4900</p> <p>Canada Phone +1 905 771 14 44 Phone +420 2 57 91 18 50</p> <p>China Phone +86 400 121 000 +852 2553 6300</p> <p>Danmark Phone +45 45 82 64 00</p> <p>Deutschland Phone +49 211 5301 301</p> <p>España Phone +34 93 480 31 00</p> <p>France Phone +33 1 64 62 39 00</p> <p>Great Britain Phone +44 (0)1727 831521</p> <p>India Phone +91-22-4033 8333</p> <p>Israel Phone +972-4-6801000</p> <p>Italia Phone +39 02 27 43 41</p> <p>Japan Phone +81 (03) 5309 2112</p> <p>Magnetsverige Phone +36 1 371 2680</p> <p>Niederland Phone +31 (0)30 229 25 44</p> <p>SICK AG, Erwin-Sick-Strasse 1, D.79183 Waldkirch</p>	<p>Osterreich Phone +43 (0)32 36 62 28 8-0</p> <p>Norge Phone +47 67 61 50 00</p> <p>Polska Phone +48 22 837 40 50</p> <p>România Phone +40 356 171 120</p> <p>Russia Phone +7 495 775 09 30 Schweiz</p> <p>Sveits Phone +41 41 619 29 39</p> <p>Svevolk Phone +25 6744 3732</p> <p>Svevolk Phone +386 (0)147 69 990</p> <p>Svevolk Phone +62 2 786 6321/4</p> <p>Svevolk Phone +27 11 472 3733</p> <p>South Korea Phone +82 2 786 6321/4</p> <p>Suomi Phone +358 9 25 15 800</p> <p>Svevolk Phone +46 10 110 10 00</p> <p>Taiwan Phone +886 2 2375-6288</p> <p>Türkiye Phone +90 (216) 538 50 00</p> <p>United Arab Emirates Phone +971 (0)4 5855 878</p> <p>USA/Mexico Phone +1 952 941 6780</p>
---	---

Please find detailed addresses and additional representatives and agencies in all major industrial nations at www.sick.com

More representatives and agencies at www.sick.com - Subject to change without notice - The specified product features and technical data do not represent any guarantee.

Weitere Niederlassungen finden Sie unter www.sick.com - Irrtümer und Änderungen vorbehalten - Angegebene Produkteigenschaften und technische Daten stellen keine Garantieerklärung dar.

Plus de représentations et d'agences à l'adresse www.sick.com - Sujet à modification sans préavis - Les caractéristiques de produit et techniques indiquées ne constituent pas de déclaration de garantie.

Para mais representações e agências, consulte www.sick.com - Alterações poderão ser feitas sem prévio aviso - As características do produto e os dados técnicos apresentados não constituem declaração de garantia.

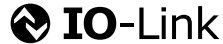
Flere representanter og agenturer på www.sick.com - Med forbehold for ændringer og fejl - De angivne produkttegnelser og tekniske data udgør ikke nogen garantierklæring.

Altri rappresentanti ed agenzie si trovano su www.sick.com - Contenuti soggetti a modifiche senza preavviso - Le caratteristiche del prodotto e i dati tecnici non rappresentano una dichiarazione di garanzia.

Meer vestigingen en correcties voorbehouden - Aangegeven producteigenschappen en technische gegevens vormen geen garantieverklaring.

Más representaciones y agencias en www.sick.com - Sujeto a cambio sin previo aviso - Las características y los datos técnicos especificados no constituyen ninguna declaración de garantía.

欲了解更多代表机构和代理商信息，请登录 www.sick.com - 如有更改，不另行通知 - 对所给出的产品特性和技术参数的正确性不予保证。



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

ENGLISH

SICK device specific							
Index dec (hex)	Name	Format (Offset)	Length	Access ¹	Default Value	Value / Range	Remark [Unit]
2 (0x02)	Operator	Bit (8)	8 Bit	rw	3	0 = (equal) 1 = (unequal) 2 = > (greater) 3 = (greater or equal) 4 = < (less) 5 = (less or equal)	The operator determines the compare operation between the selected function and the constant.
3 (0x03)	Constant	Bit (0)	8 Bit	rw	1	0...240	The constant is used for the comparison with the selected function.
357 (0x165)	Qint 4 zone definition	Record	2 Byte	rw			A zone is defined by a start and end beam within all available beams (beam status). Use the advanced settings to apply different channel functions if required.
1 (0x01)	First beam of zone	Bit (8)	8 Bit	rw		0 = deactivated 1...240	First beam of Qint beam zone.
2 (0x02)	Last beam of zone	Bit (0)	8 Bit	rw		0 = deactivated 1...240	Last channel of Qint beam zone.
358 (0x166)	Qint 4 advanced settings	Record	3 Byte	rw			The advanced settings determine the boolean state of the Qint signal for the corresponding zone.
1 (0x01)	Function	Bit (16)	8 Bit	rw	0	0 = NBB (number beams blocked) of selected zone 1 = LBB (last beam blocked) of selected zone 2 = FBB (first beam blocked) of selected zone	The function which shall be used for a comparison with a constant value within the zone.
2 (0x02)	Operator	Bit (8)	8 Bit	rw	3	0 = = (equal) 1 = (unequal) 2 = > (greater) 3 = (greater or equal) 4 = < (less) 5 = (less or equal)	The operator determines the compare operation between the selected function and the constant.
3 (0x03)	Constant	Bit (0)	8 Bit	rw	1	0...240	The constant is used for the comparison with the selected function.
439 (0x1B7)	Performance options restriction	UInt	8 Bit	ro		0 = Disabled 1 = 3 x crossbeam 2 = 5 x crossbeam 3 = 7 x crossbeam 4 = 9 x crossbeam	Notifies about the upper limit for "Performance options" (index 66). Depends on the ordered product variant. Please ask your SICK sales service.
447 (0x1BF)	Pin 2 System status mask	Record ³	1 Byte	rw			This mask configures the signal for "Pin 2 configuration" (index 121) with option "Masked system status (output)" (value 80).
1 (0x01)	Pin short circuit error	Bit (0)	1 Bit	rw	1	true = Yes false = No	This bit is set in case of a short circuit on at least one switching output.
2 (0x02)	Invalid process data	Bit (1)	1 Bit	rw	1	true = Yes false = No	The process data PDin is not valid and therefore shall not be used for application processing if this bit is set.
3 (0x03)	Temperature or operating hours alarm	Bit (2)	1 Bit	rw	1	true = Yes false = No	This bit is set if the configured upper/lower temperature or operating hours threshold is hit. See "Alarm thresholds for diagnostic parameters" (index 179) to setup the thresholds.
4 (0x04)	Busy	Bit (3)	1 Bit	rw	1	true = Yes false = No	This bit is set during an ongoing configuration e.g. system command teach-in.
5 (0x05)	Quality of run alarm	Bit (4)	1 Bit	rw	1	true = Yes false = No	This bit is set if quality of run alarm is set. E.g. in case of contamination.
6 (0x06)	Hardware error	Bit (5)	1 Bit	rw	1	true = Yes false = No	This bit is set in case of a hardware error.
7 (0x07)	Teach-in error	Bit (6)	1 Bit	rw	1	true = Yes false = No	This bit is set in case of a teach-in error.
8 (0x08)	Sync error	Bit (7)	1 Bit	rw	1	true = Yes false = No	If both sync. beams are blocked for a certain time this error bit is set, because process data becomes invalid.
480 (0x1E0)	Beam status (PDin)	Record	30 Byte	ro			Provides the beam status as 32 byte vectors to be used as process data (PDin).
1 (0x01)	Beam 1...8	Bit (232)	8 Bit	ro			Beam 1...8 status bits.
2 (0x02)	Beam 9...16	Bit (224)	8 Bit	ro			Beam 9...16 status bits.
3 (0x03)	Beam 17...24	Bit (216)	8 Bit	ro			Beam 17...24 status bits.
4 (0x04)	Beam 25...32	Bit (208)	8 Bit	ro			Beam 25...32 status bits.
5 (0x05)	Beam 33...40	Bit (200)	8 Bit	ro			Beam 41...48 status bits.
6 (0x06)	Beam 41...48	Bit (192)	8 Bit	ro			Beam 41...48 status bits.
7 (0x07)	Beam 49...56	Bit (184)	8 Bit	ro			Beam 49...56 status bits.
8 (0x08)	Beam 57...64	Bit (176)	8 Bit	ro			Beam 57...64 status bits.
9 (0x09)	Beam 65...72	Bit (168)	8 Bit	ro			Beam 65...72 status bits.
10 (0x0A)	Beam 73...80	Bit (160)	8 Bit	ro			Beam 73...80 status bits.
11 (0x0B)	Beam 81...88	Bit (152)	8 Bit	ro			Beam 81...88 status bits.
12 (0x0C)	Beam 89...96	Bit (144)	8 Bit	ro			Beam 89...96 status bits.
13 (0x0D)	Beam 97...104	Bit (136)	8 Bit	ro			Beam 97...104 status bits.

¹ ro = read only, wo = write only, rw = read/write

² COM values specify the bitrate (see IO-Link specification): COM1 (4,8 kbit/s), COM2 (38,4 kbit/s), COM3 (230,4 kbit/s)

³ Subindex access not supported



8026809 0421

SLG-2
8389226
2340449598
9327779 0421 (1.1.0)

Australia Phone +61 3 9467 0800	Osterreich Phone +43 (0)22 36 62 28 8-0
Belgium/Luxembourg Phone +32 (0)2 468 55 66	Norge Phone +47 67 61 50 00
Brazil Phone +55 11 3215-9900	Polen Phone +48 22 837 40 50
Canada Phone +1 905 771 14 44	România Phone +40 366 171 150
China Phone +86 400 121 000 +86 2153 6300	Rusia Phone +7 495 775 09 30
Danmark Phone +45 45 82 64 00	Schweiz Phone +41 41 619 29 39
Deutschland Phone +49 211 5301 301	Singapur Phone +65 6744 3732
España Phone +34 93 480 31 00	South Korea Phone +82 2 786 6321/4
France Phone +33 1 64 62 39 00	Spanien Phone +358 9 25 15 800
Great Britain Phone +44 (0)1727 831121	Sri Lanka Phone +91 22 4033 8333
India Phone +91 22 4033 8333	Taiwan Phone +886 2 2375 6288
Israel Phone +972 4 6801000	Türkiye Phone +90 (216) 538 50 00
Italy Phone +39 02 27 43 41	United Arab Emirates Phone +971 (0) 4 5565 878
Japan Phone +81 (03) 5309 2112	USA/Mexico Phone +1 950 941 6780
Magnesium Phone +36 1 371 2680	
Niederland Phone +31 (0)30 229 25 44	

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

Please find detailed addresses and additional representatives and agencies in all major industrial nations at www.sick.com

8211463

More representatives and agencies at www.sick.com - Subject to change without notice - The specified product features and technical data do not represent any guarantee.

Weitere Niederlassungen finden Sie unter www.sick.com - Irrtümer und Änderungen vorbehalten - Angegebene Produkteigenschaften und technische Daten stellen keine Garantieerklärung dar.

Plus de représentations et d'agences à l'adresse www.sick.com - Sujet à modification sans préavis - Les caractéristiques de produit et techniques indiquées ne constituent pas de déclaration de garantie.

Para mais representantes e agências, consulte www.sick.com - Alterações poderão ser feitas sem prévio aviso - As características do produto e os dados técnicos apresentados não constituem declaração de garantia.

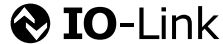
Flere repræsentanter og agenturer på www.sick.com - Med forbehold for ændringer og fejl - De angivne produktdata og tekniske data udgør ikke nogen garanti erklæring.

Altri rappresentanti ed agenzie si trovano su www.sick.com - Contenuti soggetti a modifiche senza preavviso - Le caratteristiche del prodotto e i dati tecnici non rappresentano una dichiarazione di garanzia.

Meer vestigingen en correcties voorbehouden - Aangegeven producteigenschaften en technische gegevens vormen geen garantieverklaring.

Más representantes y agencias en www.sick.com - Sujeto a cambio sin previo aviso - Las características y los datos técnicos especificados no constituyen ninguna declaración de garantía.

欲了解更多代表机构和代理商信息，请登录 www.sick.com - 如有更改，不另行通知 - 对所给出的产品特性和技术参数 的正确性不予保证。



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

ENGLISH

SICK device specific							
Index dec (hex)	Name	Format (Offset)	Length	Access ¹	Default Value	Value / Range	Remark [Unit]
14 (0x0E)	Beam 105...112	Bit (128)	8 Bit	ro			Beam 105...112 status bits.
15 (0x0F)	Beam 113...120	Bit (120)	8 Bit	ro			Beam 113...120 status bits.
16 (0x10)	Beam 121...128	Bit (112)	8 Bit	ro			Beam 121...128 status bits.
17 (0x11)	Beam 129...136	Bit (104)	8 Bit	ro			Beam 129...136 status bits.
18 (0x12)	Beam 137...144	Bit (96)	8 Bit	ro			Beam 137...144 status bits.
19 (0x13)	Beam 145...152	Bit (88)	8 Bit	ro			Beam 145...152 status bits.
20 (0x14)	Beam 153...160	Bit (80)	8 Bit	ro			Beam 153...160 status bits.
21 (0x15)	Beam 161...168	Bit (72)	8 Bit	ro			Beam 161...168 status bits.
22 (0x16)	Beam 169...176	Bit (64)	8 Bit	ro			Beam 169...176 status bits.
23 (0x17)	Beam 177...184	Bit (56)	8 Bit	ro			Beam 177...184 status bits.
24 (0x18)	Beam 185...192	Bit (48)	8 Bit	ro			Beam 185...192 status bits.
25 (0x19)	Beam 193...200	Bit (40)	8 Bit	ro			Beam 193...200 status bits.
26 (0x1A)	Beam 201...208	Bit (32)	8 Bit	ro			Beam 201...208 status bits.
27 (0x1B)	Beam 209...216	Bit (24)	8 Bit	ro			Beam 209...216 status bits.
28 (0x1C)	Beam 217...224	Bit (16)	8 Bit	ro			Beam 217...224 status bits.
29 (0x1D)	Beam 225...232	Bit (8)	8 Bit	ro			Beam 225...232 status bits.
30 (0x1E)	Beam 233...240	Bit (0)	8 Bit	ro			Beam 233...240 status bits.
481 (0x1E1)	QL / Qint. (PDIn)	Record ³	1 Byte	ro			Provides the resulting Smart Task (QL1, QL2) and zone signals (Qint.1...Qint.4) as a byte vector to be used as process data (PDIn).
484 (0x1E4)	Number beams blocked (NBB) (PDIn)	Record	4 Byte	ro			Provides the number of beams blocked (NBB) value for each zone to be used as process data (PDIn).
1 (0x01)	NBB of zone 1	Bit (24)	8 Bit	ro			Number beams blocked (NBB) of zone 1
2 (0x02)	NBB of zone 2	Bit (16)	8 Bit	ro			Number beams blocked (NBB) of zone 2
3 (0x03)	NBB of zone 3	Bit (8)	8 Bit	ro			Number beams blocked (NBB) of zone 3
4 (0x04)	NBB of zone 4	Bit (0)	8 Bit	ro			Number beams blocked (NBB) of zone 4
485 (0x1E5)	First beam blocked (FBB) (PDIn)	Record	4 Byte	ro			Provides the first beam blocked (FBB) value for each zone to be used as process data (PDIn).
1 (0x01)	FBB of zone 1	Bit (24)	8 Bit	ro			First beam blocked (FBB) of zone 1
2 (0x02)	FBB of zone 2	Bit (16)	8 Bit	ro			First beam blocked (FBB) of zone 2
3 (0x03)	FBB of zone 3	Bit (8)	8 Bit	ro			First beam blocked (FBB) of zone 3
4 (0x04)	FBB of zone 4	Bit (0)	8 Bit	ro			First beam blocked (FBB) of zone 4
486 (0x1E6)	Last beam blocked (LBB) (PDIn)	Record	4 Byte	ro			Provides the last beam blocked (LBB) value for each zone to be used as process data (PDIn).
1 (0x01)	LBB of zone 1	Bit (24)	8 Bit	ro			Last beam blocked (LBB) of zone 1
2 (0x02)	LBB of zone 2	Bit (16)	8 Bit	ro			Last beam blocked (LBB) of zone 2
3 (0x03)	LBB of zone 3	Bit (8)	8 Bit	ro			Last beam blocked (LBB) of zone 3
4 (0x04)	LBB of zone 4	Bit (0)	8 Bit	ro			Last beam blocked (LBB) of zone 4
1080 (0x438)	SLTI Version	String	8 Byte	ro	1.1.0		See additional document www.sick.com/8022709
1081 (0x439)	Input selector 1	UInt	8 Bit	rw	0	0 = Qint.1 1 = Qint.2 2 = Qint.3 3 = Qint.4 64 = Ext. input 1	See additional document www.sick.com/8022709
1082 (0x43A)	Input selector 2	UInt	8 Bit	rw	64	0 = Qint.1 1 = Qint.2 2 = Qint.3 3 = Qint.4 64 = Ext. input 1	See additional document www.sick.com/8022709
1083 (0x43B)	Logic 1	UInt	8 Bit	rw	0	0 = DIRECT 1 = AND 2 = OR	See additional document www.sick.com/8022709
1084 (0x43C)	Logic 2	UInt	8 Bit	rw	0	0 = DIRECT 1 = AND 2 = OR	See additional document www.sick.com/8022709
1085 (0x43D)	Timer 1 mode	UInt	8 Bit	rw	0	0 = Deactivated 1 = T-On Delay 2 = T-Off Delay 3 = T-On/T-Off Delay 4 = Impulse	See additional document www.sick.com/8022709
1086 (0x43E)	Timer 2 mode	UInt	8 Bit	rw	0	0 = Deactivated 1 = T-On Delay 2 = T-Off Delay 3 = T-On/T-Off Delay 4 = Impulse	See additional document www.sick.com/8022709
1087 (0x43F)	Time 1 setup	UInt	16 Bit	rw	1	1...30000	See additional document www.sick.com/8022709
1088 (0x440)	Time 2 setup	UInt	16 Bit	rw	1	1...30000	See additional document www.sick.com/8022709
1089 (0x441)	Inverter 1	UInt	8 Bit	rw		0 = Not inverted 1 = Inverted	See additional document www.sick.com/8022709
1090 (0x442)	Inverter 2	UInt	8 Bit	rw		0 = Not inverted 1 = Inverted	See additional document www.sick.com/8022709
1093 (0x445)	Inverter ext. input	UInt	8 Bit	rw	0	0 = Not inverted 1 = Inverted	See additional document www.sick.com/8022709

¹ro = read only, wo = write only, rw = read/write

²COM values specify the bitrate (see IO-Link specification): COM1 (4,8 kbit/s), COM2 (38,4 kbit/s), COM3 (230,4 kbit/s)

³Subindex access not supported

SICK

8026809 0421

SLG-2
8389226

2340449598
9327779 0421 (1.1.0)

<p>Australia Phone +61 3 9467 0800</p> <p>Belgium/Luxembourg Phone +32 (0)2 468 35 66</p> <p>Brazil Phone +55 11 3215-4900</p> <p>Canada Phone +1 905 771 14 44</p> <p>Czech Republic Phone +420 2 57 91 18 50</p> <p>China Phone +86 4000 121 000 +852 2153 6300</p> <p>Danmark Phone +45 45 82 40 00</p> <p>Deutschland Phone +49 211 5301 301</p> <p>España Phone +34 93 480 31 00</p> <p>France Phone +33 1 64 42 39 00</p> <p>Great Britain Phone +44 (0)1727 831121</p> <p>India Phone +91-22-4033 8333</p> <p>Israel Phone +972-4-6801000</p> <p>Italia Phone +39 02 27 43 41</p> <p>Japan Phone +81 (03) 5309 2112</p> <p>Magnetsverige Phone +36 1 371 2680</p> <p>Niederland Phone +31 (0)30 229 25 44</p> <p>SICK AG, Erwin-Sick-Strasse 1, D.79183 Waldkirch</p>	<p>Osterreich Phone +43 (0)32 36 62 28 8-0</p> <p>Norge Phone +47 07 91 50 00</p> <p>Polka Phone +49 22 837 40 50</p> <p>România Phone +40 356 171 120</p> <p>Russia Phone +7 495 775 09 30</p> <p>Schweden Phone +41 41 619 29 39</p> <p>Sveits Phone +45 6744 3732</p> <p>Sveizera Phone +386 (0)147 69 990</p> <p>Suomi Phone +358 9 27 11 472 3733</p> <p>South Korea Phone +82 2 786 6321/4</p> <p>Spanya Phone +358 9 25 15 800</p> <p>Sverige Phone +46 10 110 10 00</p> <p>Taiwan Phone +886 2 2375-6288</p> <p>Türkiye Phone +90 (216) 528 50 00</p> <p>United Arab Emirates Phone +971 (0) 4 8665 878</p> <p>USA/Mexico Phone +1 952 941 61780</p>
---	--

Please find detailed addresses and additional representatives and agencies in all major industrial nations at www.sick.com

8211463

More representatives and agencies at www.sick.com - Subject to change without notice - The specified product features and technical data do not represent any guarantee.

Weitere Niederlassungen finden Sie unter www.sick.com - Irrtümer und Änderungen vorbehalten - Angegebene Produkteigenschaften und technische Daten stellen keine Garantieerklärung dar.

Plus de représentations et d'agences à l'adresse www.sick.com - Sujet à modification sans préavis - Les caractéristiques de produit et techniques indiquées ne constituent pas de déclaration de garantie.

Para mais representantes e agências, consulte www.sick.com - Alterações poderão ser feitas sem prévio aviso - As características do produto e os dados técnicos apresentados não constituem declaração de garantia.

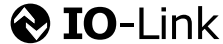
Flere repræsentanter og agenturer på www.sick.com - Med forbehold for ændringer og fejl - De angivne produkttegnelser og tekniske data udgør ikke nogen garantierklæring.

Altri rappresentanti ed agenzie si trovano su www.sick.com - Contenuti soggetti a modifiche senza preavviso - Le caratteristiche del prodotto e i dati tecnici non rappresentano una dichiarazione di garanzia.

Meer vestigingen en vertegenwoordigingen vindt u op www.sick.com - Wijzigingen en correcties voorbehouden - Aangegeven producteigenschappen en technische gegevens vormen geen garantieverklaring.

Más representantes y agencias en www.sick.com - Sujeto a cambio sin previo aviso - Las características y los datos técnicos especificados no constituyen ninguna declaración de garantía.

欲了解更多代表机构和代理商信息，请登录 www.sick.com - 如有更改，不另行通知 - 对所给出的产品特性和技术参数 的正确性不予保证。



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

ENGLISH

Standard command					
Index dec (hex)	Standard Command	Access ¹	Value	Name	Remark [Unit]
2 (0x02)	Standard Command	wo	130	Restore Factory Settings	
			160	Teach-in	
			208	Blank all currently blocked beams	
			209	Blank all currently made beams	
			228	Reset diagnostic parameters	

Events			
Code dec (hex)	Name	Type	Remark [Unit]
20480 (0x5000)	Device hardware fault	Error	Device Exchange
30480 (0x7710)	Short circuit	Error	Check installation
36004 (0x8CA4)	Quality of run alarm	Warning	Low device performance, check detecting conditions. E.g. correct alignment or clean lenses.
36007 (0x8CA7)	Teach-in error	Warning	Teach-in failed
36008 (0x8CA8)	Alarm upper temperature threshold	Warning	User upper temperature threshold (ISDU 179) has been hit.
36011 (0x8CAB)	Alarm operating hours	Warning	User threshold for operating hours (since last reset) has been hit.
36015 (0x8CAF)	Alarm lower temperature threshold	Warning	User lower temperature threshold (ISDU 179) has been hit.
36017 (0x8CB1)	Teach-in necessary	Notification	Teach-in is necessary
36033 (0x8CC1)	Sync error	Warning	Optical synchronization lost. Check transmitter/receiver alignment and ensure at least first or last beam has sight.