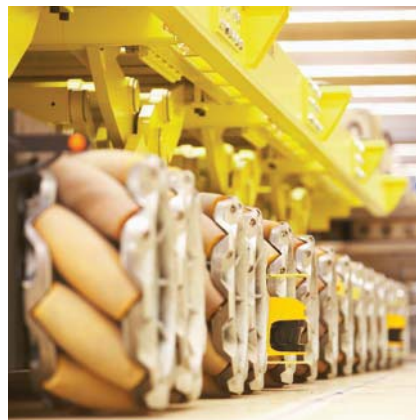


Optical protection – remove the barrier to greater productivity



Opto-electronic protective devices

Opto-electronic protective devices from SICK are the first choice for maximum machine and system productivity. Unlike fences and doors, they do not disrupt

handling or material transport and allow a better view into the machine room. SICK's comprehensive portfolio is ideal for hazardous point protection, access

protection, and hazardous area protection. The SICK's proprietary interface, EFI, offers additional process optimization.



Opto-electronic protective devices

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Selection guide opto-electronic protective devices

	Safety laser scanners	Safety camera systems	Safety light curtains	Multiple light beam safety devices	Single-beam photoelectric safety switches
Recommended safety application					
Hazardous point protection with finger or hand detection		■	■		
Hazardous point protection with hand and person detection			■		
One-sided access protection	■		■	■	■
Multi-sided access protection				■	■
Muting/differentiation between people and material	■		■	■	
Mobile hazardous area protection	■				
Stationary hazardous area protection	■	■	■		
Type					
Type 2 (IEC 61496)		■	■	■	■
Type 3 (IEC 61496)	■	■			
Type 4 (IEC 61496)			■	■	■
Performance level					
PL c (EN ISO 13849)		■			■
PL d (EN ISO 13849)	■	■	■	■	
PL e (EN ISO 13849)			■	■	■
Enclosure rating					
IP 54		■			
IP 65	■		■		
IP 66			■	■	
IP 67	■		■	■	■
IP 69K			■	■	
Resolution/Beam separation					
14 mm ... 40 mm			■		
20 mm ... 30 mm		■			
30 mm ... 150 mm	■				
220 mm ... 600 mm				■	
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Selection guide opto-electronic protective devices

Product family	Scanning range (m)														Page
	0.5	1	2	4	6	8	10	20	30	40	50	60	70		
Safety laser scanners															
S3000 Standard	0 m ... 7 m														338
S3000 Expert	0 m ... 7 m														340
S3000 PROFINET IO Advanced	0 m ... 7 m														342
S3000 Cold Store	0 m ... 7 m														344
S300 Expert	0 m ... 3 m														345
S300 Mini Standard	0 m ... 3 m														347
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Safety camera system															
V300 Work Station Extended			0 m ... 1.5 m												350
Safety light curtains															
miniTwin4	0 m ... 5 m														351
miniTwin2	0 m ... 8 m														353
C4000 Standard	0 m ... 19 m														355
C4000 Advanced	0 m ... 19 m														357
C4000 Micro in IP69K Housing	0 m ... 14.5 m														389
deTec4 Core	0 m ... 10 m														361
C2000 Standard	0 m ... 6 m														363
C2000 Standard in IP69K Housing	0 m ... 14.5 m														365
Multiple light beam safety devices															
M4000 Standard	0 m ... 70 m														367
M4000 Advanced	0 m ... 70 m														369
M4000 Standard in IP69K Housing	0.5 m ... 53 m														372
M2000 Standard	0 m ... 70 m														374
Single-beam photoelectric safety switches															
L4000 Systems	0 m ... 60 m														376
L41	0 m ... 60 m														378
L21	0 m ... 60 m														380

Selection guide safety laser scanners

	S3000 Standard	S3000 Expert	S3000 PROFINET IO Advanced	S3000 Cold Store	S300 Expert	S300 Mini Standard	S300 Mini Remote
Scanning angle							
180°				■			
190°	■	■	■				
270°					■	■	■
Field sets							
1	■					■	
4			■	■			
16					■		■
21 ¹⁾ / 32 ²⁾		■					
Ambient operating temperature							
-10 °C ... +50 °C	■	■	■		■	■	■
-30 °C ... +50 °C				■			
Enclosure rating							
IP 65	■	■	■	■	■	■	■
IP 67				■			
Functions							
Safe device communication via EFI	■	■		■	■		■
Direct integration into bus systems			■				
External device monitoring (EDM)	■	■			■	■	
Host/guest mode	■	■		■	■		■
Page	338	340	342	344	345	347	349

¹⁾ In triple field mode.²⁾ In dual field mode.

Selection guide safety light curtains

	miniTwin4	miniTwin2	C4000 Standard	C4000 Advanced	C4000 Micro in IP69K Housing	deTec4 Core	C2000 Standard	C2000 Standard in IP69K Housing
Resolution (mm)								
14	■	■	■	■	■	■		
20			■	■			■	
24	■	■						
30			■	■	■	■	■	■
34	■	■						
40			■	■			■	
Protective field height (mm)								
120 ... 1,200	■	■						
150 ... 1,200								■
150 ... 1,800							■	
300 ... 1,800			■	■	■			
300 ... 2,100						■		
Ambient operating temperature								
0 °C ... +55 °C			■	■			■	■
-20 °C ... +55 °C	■	■						
-30 °C ... +55 °C					■	■		
Enclosure rating								
IP 65	■	■	■	■	■	■	■	■
IP 66					■			■
IP 67					■	■		■
IP 69K					■			■
Functions								
Safe device communication via EFI			■	■				
External device monitoring (EDM)	■	■	■	■	■		■	■
Restart interlock	■	■	■	■	■			
Blanking				■				
PSDI mode with UE402			■	■				
Page	351	353	355	357	359	361	363	365

Selection guide multiple light beam safety devices and single-beam photoelectric safety switches

	M4000 Standard	M4000 Advanced	M4000 Standard in IP69K Housing	M2000 Standard	L4000 Systeme	L41	L21
Number of beams							
1					■	■	■
2	■	■		■			
3	■	■	■	■			
4	■	■	■	■			
5 ... 8	■	■					
Beam separation (mm)							
220	■	■					
300	■	■	■	■			
400	■	■	■	■			
450	■	■		■			
500	■	■					
600	■	■					
Ambient operating temperature							
0 °C ... +55 °C				■			
-20 °C ... +55 °C					■		
-30 °C ... +55 °C	■	■	■				
-40 °C ... +55 °C						■	■
Enclosure rating							
IP 65	■	■	■	■			
IP 66			■				
IP 67			■		■	■	■
IP 69K			■				
Functions							
Safe device communication via EFI		■					
External device monitoring (EDM)	■	■			■		
Restart interlock	■	■			■		
Muting with UE403		■					
Page	367	369	372	374	376	378	380





At a glance

- 4 m, 5.5 m or 7 m protective field range
- 1 field set (1 protective fields, 2 warning fields)
- Configuration memory integrated in the system plug
- EFI interface for safe SICK device communication
- Selectable resolution for hand, leg or body detection
- Simultaneous monitoring of two protective fields
- Contour as reference for vertical applications
- Integrated external device monitoring (EDM)

Your benefits

- Largest protective field range available on the market increases the variety of application possibilities
- Safety engineering - with no loss of productivity.
- Quick recommissioning via configuration memory
- Easily expandable modular system, simple cabling and additional functions using SICK safety controllers with EFI
- Easy installation, commissioning and maintenance for stationary and mobile applications
- Decades of proven safety technology guarantee maximum reliability and productivity – even under difficult conditions
- Simple alignment and safe operation in vertical mode

→ www.mysick.com/en/S3000_Standard

For more information, just enter the link or scan the QR code and get direct access to technical data, CAD design models, operating instructions, software, application examples and much more.



Ordering information




Other models available at www.mysick.com/en/S3000_Standard

- **System part:** sensor head with I/O module

Protective field range	Model name	Part no.
4 m	S30A-4011BA	1028934
5.5 m	S30A-6011BA	1023546
7 m	S30A-7011BA	1023890

Accessories

	Accessory category	Brief description	Connection type	Cable length	Model name	Part no.
	Mounting brackets/plates	Mounting bracket for direct mounting, from the rear, on wall or machine, not adjustable	–	–	Mounting kit 1	2015623
		Mounting bracket for rear mounting on wall or machine, adjustable longitudinal and lateral axes, only in conjunction with mounting kit 1 (2015623)	–	–	Mounting kit 2	2015624
		Mounting bracket for rear mounting on wall, floor, or machine, adjustable longitudinal and lateral axes, only in conjunction with mounting kit 1 (2015623) and 2 (2015624)	–	–	Mounting kit 3	2015625

	Accessory category	Brief description	Connection type	Cable length	Model name	Part no.
	Plug connectors and cables	For connecting the configuration connection to the USB interface on the PC	M8 x 4, USB-A	2 m	DSL-8U04G02M025KM1	6034574
		System plug, not for use with incremental encoders	Without cable, upward	–	SX0A-A0000B	2023797
			Pre-assembled, upward	5 m	SX0A-B0905B	2027170
				10 m	SX0A-B0910B	2027171
				20 m	SX0A-B0920B	2027814
	Spare parts	Front screen replacement kit with replacement seal and screws	–	–	Front screen replacement kit	2027180



At a glance

- 4 m, 5.5 m or 7 m protective field range
- 21 switchable field sets (21 protective fields, 42 warning fields)
- Configuration memory integrated in the system plug
- EFI interface for safe SICK device communication
- Incremental encoder inputs for speed-dependent field switching
- Extended measured data output via RS-422 with landmark recognition
- Simultaneous monitoring of two protective fields

Your benefits

- Largest protective field range available on the market increases the variety of application possibilities
- Variety of field sets ensures safety and productivity when protecting vehicles or moving machine parts
- Easily expandable modular system, simple cabling and additional functions using SICK safety controllers with EFI
- Quick recommissioning via configuration memory
- The correct protective field at any speed avoids unnecessary stops.
- Personnel protection and navigation support in one device
- Easy installation, commissioning and maintenance for stationary and mobile applications
- Decades of proven safety technology guarantee maximum reliability and productivity – even under difficult conditions

→ www.mysick.com/en/S3000_Expert

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Ordering information






Other models available at www.mysick.com/en/S3000_Expert

- **System part:** sensor head with I/O module

Protective field range	Model name	Part no.
4 m	S30A-4011GB	1052107
5.5 m	S30A-6011GB	1052108
7 m	S30A-7011GB	1052109

Accessories

	Accessory category	Brief description	Connection type	Cable length	Model name	Part no.
	Mounting brackets/plates	Mounting bracket for direct mounting, from the rear, on wall or machine, not adjustable	–	–	Mounting kit 1	2015623
		Mounting bracket for rear mounting on wall or machine, adjustable longitudinal and lateral axes, only in conjunction with mounting kit 1 (2015623)	–	–	Mounting kit 2	2015624
		Mounting bracket for rear mounting on wall, floor, or machine, adjustable longitudinal and lateral axes, only in conjunction with mounting kit 1 (2015623) and 2 (2015624)	–	–	Mounting kit 3	2015625

	Accessory category	Brief description	Connection type	Cable length	Model name	Part no.
	Plug connectors and cables	For connecting the configuration connection to the USB interface on the PC	M8 x 4, USB-A	2 m	DSL-8U04G02M025KM1	6034574
		System plug, not for use with incremental encoders	Without cable, upward	–	SX0A-A0000B	2023797
			Pre-assembled, upward	5 m	SX0A-B1705B	2027174
		System plug, for use with incremental encoders	Without cable, upward	–	SX0A-A0000D	2023310
			Pre-assembled, upward	5 m	SX0A-B1305D	2027176
	Spare parts	Front screen replacement kit with replacement seal and screws	–	–	Front screen replacement kit	2027180



At a glance

- Direct integration in PROFINET IO safe bus system
- 4 m, 5.5 m or 7 m protective field range
- 4 switchable field sets (4 protective fields, 4 warning fields)
- Managed 2-Port switch for copper or optical fiber based conductors
- Configuration memory integrated in the system plug
- Remote diagnostics and configuration through safety controller
- Simultaneous monitoring of two protective fields

Your benefits

- Reliable, fault-tolerant communication with PLC controller using state-of-the-art fiber-optic technology
- Efficient, cost-effective protection - networked through direct connection to PROFINET IO networks
- Rapid diagnosis by means of remote access prevents downtimes
- Standardized integration in PLC controllers, thanks to GSDML generic station description
- Largest protective field range available in the market increases the variety of application possibilities
- Quick recommissioning via configuration memory
- Easy installation, commissioning and maintenance for stationary and mobile applications
- Decades of proven safety technology guarantee maximum reliability and availability – even under difficult conditions

→ www.mysick.com/en/S3000_PROFINET_IO_Advanced

For more information, just enter the link or scan the QR code and get direct access to technical data, CAD design models, operating instructions, software, application examples and much more.







Ordering information

Other models available at www.mysick.com/en/S3000_PROFINET_IO_Advanced

- **System part:** sensor head with I/O module

Protective field range	Connection type	Model name	Part no.
4 m	Optical fiber conductor (2 sockets for SCRJ push-pull plug)	S30A-4111CL	1052591
	Copper conductor (2 sockets for RJ-45 push-pull plug)	S30A-4111CP	1045650
5.5 m	Optical fiber conductor (2 sockets for SCRJ push-pull plug)	S30A-6111CL	1052593
	Copper conductor (2 sockets for RJ-45 push-pull plug)	S30A-6111CP	1045652
7 m	Optical fiber conductor (2 sockets for SCRJ push-pull plug)	S30A-7111CL	1052595
	Copper conductor (2 sockets for RJ-45 push-pull plug)	S30A-7111CP	1045654

Accessories

	Accessory category	Brief description	Connection type	Cable length	Model name	Part no.
	Mounting brackets/plates	Mounting bracket for direct mounting, from the rear, on wall or machine, not adjustable	–	–	Mounting kit 1	2015623
		Mounting bracket for rear mounting on wall or machine, adjustable longitudinal and lateral axes, only in conjunction with mounting kit 1 (2015623)	–	–	Mounting kit 2	2015624
		Mounting bracket for rear mounting on wall, floor, or machine, adjustable longitudinal and lateral axes, only in conjunction with mounting kit 1 (2015623) and 2 (2015624)	–	–	Mounting kit 3	2015625
	Plug connectors and cables	For connection of RJ-45 port of the safety laser scanner with standard M12 connectors	–	30 cm	Adapter cable RJ45PP/M12	6044052
		For connecting the configuration connection to the USB interface on the PC	M8 x 4, USB-A	2 m	DSL-8U04G02M025KM1	6034574
		Supply connector	Without cable	–	SX1A-A0000L	2047286
			Pre-assembled	1 m	SX1A-B0201L	2049575
		Power y-junction with supply connector	–	–	SX1A-B0201M	2049857
	Spare parts	Front screen replacement kit with replacement seal and screws	–	–	Front screen replacement kit	2027180



At a glance

- Certified for temperatures down to $-30\text{ }^{\circ}\text{C}$
- Modified housing with integrated temperature controller
- IP 67 enclosure rating
- 7 m protective field range
- 4 switchable field sets (4 protective fields, 8 warning fields)
- EFI interface for safe SICK device communication
- Selectable resolution for hand, leg or body detection
- Contour as reference for vertical applications

Your benefits

- First safety laser scanner available on the market which can be used at temperatures as low as $-30\text{ }^{\circ}\text{C}$
- Hazard area, hazard point, access or vehicle protection in cold areas
- Largest protective field range available in the market increases the variety of application possibilities
- Easy modular expansions and additional functions using SICK safety controllers with EFI
- Easy installation, commissioning and maintenance for stationary and mobile applications
- Decades of proven safety technology guarantee maximum reliability and productivity – even under difficult conditions

→ www.mysick.com/en/S3000_Cold_Store

For more information, just enter the link or scan the QR code and get direct access to technical data, CAD design models, operating instructions, software, application examples and much more.



Ordering information

Other models available at www.mysick.com/en/S3000_Cold_Store

Protective field range	Model name	Part no.
7 m	S31A-7011CA	1041648

Accessories

	Accessory category	Brief description	Model name	Part no.
	Drying agent cartridges	Dry cartridge LMS211/221/220	Desiccant cartridge with male thread M36 x 1.5	5306179
	Mounting brackets/plates	Mounting kit for wall-mounting (adjustment bracket)	Mounting kit	2018303
	Plug connectors and cables	Connection plug for Outdoor-LMS211/221	16-pin connection plug	2018301
		Connecting cable	Connection cable	6025729
		Plug insert 16-pin (for connection plug LMS211/221/220)	Plug insert 16-pin (spring strip)	6004379
		Configuration cable (connection LMS – PC/ RS 232/422), 5 m	Service cable, pre-assembled for RS-232	2019561



At a glance

- Compact design
- 2 m or 3 m protective field range
- 270° scan angle
- 16 switchable field sets (16 protective fields, 32 warning fields)
- Configuration memory integrated in the system plug
- EFI interface for safe SICK device communication
- Incremental encoder inputs for speed-dependent field switching
- Extended measured data output via RS-422 with landmark recognition

Your benefits

- Simple integration due to compact design
- Unbeatable cost-effectiveness – 270° scan angle allows complete application protection with only two scanners
- Easy installation, commissioning and maintenance for stationary and mobile applications
- Variety of field sets ensures safety and productivity when protecting vehicles or moving machine parts
- Quick recommissioning via configuration memory
- Easy modular expansions, simple cabling and additional functions using SICK safety controllers with EFI
- The correct protective field at any speed avoids unnecessary stops.
- Personnel protection and navigation support in one device

→ www.mysick.com/en/S300_Expert

For more information, just enter the link or scan the QR code and get direct access to technical data, CAD design models, operating instructions, software, application examples and much more.











Ordering information

Other models available at www.mysick.com/en/S300_Expert

Protective field range	Model name	Part no.
2 m	S30B-2011GB	1050193
3 m	S30B-3011GB	1057641

Accessories

	Accessory category	Brief description	Connection type	Cable length	Model name	Part no.
	Mounting brackets/plates	Mounting bracket for rear mounting on wall or machine	–	–	Mounting kit 1a	2034324
		Mounting bracket for rear mounting on wall or machine with protection of optics hood	–	–	Mounting kit 1b	2034325
		Mounting bracket, adjustable longitudinal and lateral axes, only in conjunction with mounting kit 1a (2034324) or 1b (2034325)	–	–	Mounting kit 2	2039302
		Mounting plate, adjustable longitudinal axis, only in conjunction with mounting kit 2 (2039302)	–	–	Mounting kit 3	2039303

	Accessory category	Brief description	Connection type	Cable length	Model name	Part no.
	Plug connectors and cables	For connecting the configuration connection to the USB interface on the PC	M8 x 4, USB-A	2 m	DSL-8U04G02M025KM1	6034574
		System plug, not for use with incremental encoders	Without cable	–	SX0B-A0000G	2032807
			Pre-assembled	5 m	SX0B-B1505G	2034264
		System plug, for use with incremental encoders	Without cable	–	SX0B-A0000J	2032856
			Pre-assembled	5 m	SX0B-B1105J	2032857
	Spare parts	Spare part set optic cover with replacement seal and screws	–	–	Spare part set optic cover	2039248



At a glance

- Very compact design
- 2 m or 3 m protective field range
- 270° scan angle
- 1 field set (1 protective fields, 2 warning fields)
- Selectable resolution for hand, leg or body detection
- Contour as reference for vertical applications
- Integrated external device monitoring (EDM)
- Easy-to-configure fields and functions

Your benefits

- Simple integration due to ultra-compact design
- Easy installation, commissioning and maintenance for stationary and mobile applications
- Unbeatable cost-effectiveness – 270° scan angle allows complete application protection with only two scanners
- Safety engineering – with no loss of productivity
- Decades of proven safety technology guarantee maximum reliability and availability – even under difficult conditions
- Easy to manage, reducing costs and work time
- Reduction of downtime and brake wear thanks to triple field function
- Simple alignment and safe operation in vertical mode

→ www.mysick.com/en/S300_Mini_Standard

For more information, just enter the link or scan the QR code and get direct access to technical data, CAD design models, operating instructions, software, application examples and much more.










Ordering information

Other models available at www.mysick.com/en/S300_Mini_Standard

Protective field range	Model name	Part no.
2 m	S32B-2011BA	1050932
3 m	S32B-3011BA	1056430

Accessories

	Accessory category	Brief description	Connection type	Cable length	Model name	Part no.
	Mounting brackets/plates	Mounting bracket for rear mounting on wall or machine	–	–	Mounting kit 1a	2034324
		Mounting bracket for rear mounting on wall or machine with protection of optics hood	–	–	Mounting kit 1b	2034325
		Mounting bracket, adjustable longitudinal and lateral axes, only in conjunction with mounting kit 1a (2034324) or 1b (2034325)	–	–	Mounting kit 2	2039302
		Mounting plate, adjustable longitudinal axis, only in conjunction with mounting kit 2 (2039302)	–	–	Mounting kit 3	2039303

	Accessory category	Brief description	Connection type	Cable length	Model name	Part no.
	Plug connectors and cables	For connecting the configuration connection to the USB interface on the PC	M8 x 4, USB-A	2 m	DSL-8U04G02M025KM1	6034574
		Connecting cable	M12 x 7 + FE, straight	2.5 m	DOL-127SG2M5E25KM0	6020537
				5 m	DOL-127SG05ME25KM0	6020354
				10 m	DOL-127SG10ME25KM0	6020352
				20 m	DOL-127SG20ME25KM0	6033096
		M12 x 7 + FE, angled	5 m	DOL-127SW05ME25KM0	6021342	
			10 m	DOL-127SW10ME25KM0	6035566	
			15 m	DOL-127SW15ME25KM0	6021343	
	Spare parts	Spare part set optic cover with replacement seal and screws	–	–	Spare part set optic cover	2039248



At a glance

- Can only be used in EFI system network with a Flexi Soft safety controller or another safety laser scanner
- Very compact design
- 2 m or 3 m protective field range
- 270° scan angle
- Up to 16 switchable field sets (16 protective fields, 32 warning fields)
- Selectable resolution for hand, leg or body detection
- Extended system solutions in combination with Flexi Soft safety controller

Your benefits

- Simple integration due to ultra-compact design
- Easy installation, commissioning and maintenance for stationary and mobile applications
- Unbeatable cost-effectiveness – 270° scan angle allows complete application protection with only two scanners
- Variety of field sets guarantees safety and productivity when protecting vehicles or moving machine parts
- Easy modular expansions, simple cabling and additional functions using SICK safety controllers with EFI
- Decades of proven safety technology guarantee maximum reliability and availability – even under difficult conditions
- Simple alignment and safe operation in vertical mode

→ www.mysick.com/en/S300_Mini_Remote

For more information, just enter the link or scan the QR code and get direct access to technical data, CAD design models, operating instructions, software, application examples and much more.









Ordering information

Other models available at www.mysick.com/en/S300_Mini_Remote

Protective field range	Model name	Part no.
2 m	S32B-2011EA	1051884
3 m	S32B-3011EA	1056431

Accessories

	Accessory category	Brief description	Connection type	Cable length	Model name	Part no.
	Mounting brackets/plates	Mounting bracket for rear mounting on wall or machine	–	–	Mounting kit 1a	2034324
		Mounting bracket for rear mounting on wall or machine with protection of optics hood	–	–	Mounting kit 1b	2034325
		Mounting bracket, adjustable longitudinal and lateral axes, only in conjunction with mounting kit 1a (2034324) or 1b (2034325)	–	–	Mounting kit 2	2039302
		Mounting plate, adjustable longitudinal axis, only in conjunction with mounting kit 2 (2039302)	–	–	Mounting kit 3	2039303
		For connecting the configuration connection to the USB interface on the PC	M8 x 4, USB-A	2 m	DSL-8U04G02M025KM1	6034574
	Plug connectors and cables	Connecting cable	M12 x 7, straight	5 m	DOL-1SS2G5M0E15KM3	6042338
	Spare parts	Spare part set optic cover with replacement seal and screws	–	–	Spare part set optic cover	2039248



At a glance

- SIL2 (IEC 61508, EN 62061) and PL d (EN ISO 13849)
- Protective field size from 0.4 m x 0.4 m to 1.5 m x 1.5 m
- Resolution 20 mm, 24 mm, and 30 mm
- One device only: integrated sender and receiver
- Intuitive one-button operation
- Automatic alignment
- Synchronization of 2 systems
- Restart/Reset, EDM integrated

Your benefits

- Flexible and individual definition of protective fields
- Quick commissioning without additional software
- Intuitive, time-saving operation
- No variants: one-device concept for all aperture sizes
- Reduced storage, logistics and commissioning costs
- No expert knowledge for commissioning required
- High machine availability and simple maintenance

→ www.mysick.com/en/V300_Work_Station_Extended

For more information, just enter the link or scan the QR code and get direct access to technical data, CAD design models, operating instructions, software, application examples and much more.



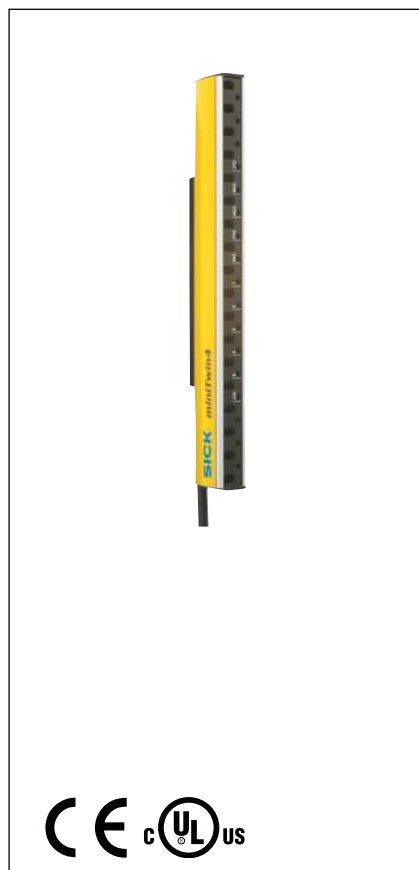
Ordering information

Other models available at www.mysick.com/en/V300_Work_Station_Extended

Model name	Part no.
V30W-0101000	1041542

Accessories

	Accessory category	Brief description	Connection type	Cable length	Model name	Part no.
	Plug connectors and cables	Connecting cable	M12 x 7 + FE, straight	2.5 m	DOL-127SG2M5E25KM0	6020537
				5 m	DOL-127SG05ME25KM0	6020354
				7.5 m	DOL-127SG7M5E25KM0	6020353
	Sets	Reflective tape 2 x 1.0 m, test rod, 20 mm diameter	–	–	Resolution set 20 mm	2051336
		Reflective tape 2 x 1.2 m, test rod, 24 mm diameter	–	–	Resolution set 24 mm	2051338
		Reflective tape 2 x 1.5 m, test rod, 30 mm diameter	–	–	Resolution set 30 mm	2051339
	Terminal and alignment brackets	Mounting kit for mounting the sensor on the profile frame	–	–	Mounting kit	2045375



At a glance

- Type 4 (IEC 61496), PL e (EN ISO 13849)
- Compact cross section (15 x 32 mm) with no dead zones
- Cascadable twin stick design – sender and receiver in a single housing
- Customized protective field heights in 60-mm increments from 120 to 1200 mm
- Typical scanning ranges 0 ... 5 m
- Intelligent, software-free configuration of external device monitoring (EDM) and reset function (RES)
- M12, 5-pin device connection

Your benefits

- Cost-effective machine integration: its small design, cascadable features and incremental protective field heights enable a flexible adjustment to the machine design
- Standardization saves time and resources because of more straightforward logistics, order entry and service
- Simplified handling and setup: Software-free, almost fully automatic commissioning and intuitive operation with sustainable optics
- Bright LED display provides fast alignment, easy start up and clear protective field visualization ensure quick diagnostics
- End-to-end coverage in cascadable applications eliminates dead zones and shortens the safety distance, increasing productivity
- Application-specific brackets provide increased flexibility and reduce installation time

→ www.mysick.com/en/miniTwin4

For more information, just enter the link or scan the QR code and get direct access to technical data, CAD design models, operating instructions, software, application examples and much more.



Ordering information

Other models available at www.mysick.com/en/miniTwin4

Standalone device



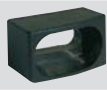




Resolution	Cable length	Protective field height	Model name	Part no.
14 mm	160 mm	120 mm	C4MT-01214ABB03BE0	1207094
		180 mm	C4MT-01814ABB03BE0	1207097
	350 mm	240 mm	C4MT-02414ABB03DE0	1207098
		300 mm	C4MT-03014ABB03DE0	1207099
		360 mm	C4MT-03614ABB03DE0	1207100
		420 mm	C4MT-04214ABB03DE0	1207101
		480 mm	C4MT-04814ABB03DE0	1207102
		540 mm	C4MT-05414ABB03DE0	1207103
	700 mm	600 mm	C4MT-06014ABB03FE0	1207104
		660 mm	C4MT-06614ABB03FE0	1207105
		720 mm	C4MT-07214ABB03FE0	1207106
		780 mm	C4MT-07814ABB03FE0	1207107
		840 mm	C4MT-08414ABB03FE0	1207108
		900 mm	C4MT-09014ABB03FE0	1207109

Resolution	Cable length	Protective field height	Model name	Part no.
24 mm	350 mm	240 mm	C4MT-02424ABB03DE0	1207224
		300 mm	C4MT-03024ABB03DE0	1207225
		360 mm	C4MT-03624ABB03DE0	1207227
		480 mm	C4MT-04824ABB03DE0	1207229
	700 mm	600 mm	C4MT-06024ABB03FE0	1207231
		720 mm	C4MT-07224ABB03FE0	1207233
		900 mm	C4MT-09024ABB03FE0	1207236
		1,020 mm	C4MT-10224ABB03FE0	1207238
		1,200 mm	C4MT-12024ABB03FE0	1207241

Cascaded device

Resolution	Cable length	Protective field height	Model name	Part no.
14 mm	160 mm	180 mm	C4MT-01814ABB04BE0	1207116
	350 mm	240 mm	C4MT-02414ABB04DE0	1207117
		300 mm	C4MT-03014ABB04DE0	1207118
		480 mm	C4MT-04814ABB04DE0	1207121
	700 mm	600 mm	C4MT-06014ABB04FE0	1207123
		720 mm	C4MT-07214ABB04FE0	1207125
		900 mm	C4MT-09014ABB04FE0	1207128

Accessories

	Accessory category	Brief description	Connection type	Cable length	Model name	Part no.
	Mounting brackets/plates	C-Fix-Flex bracket, adjustable +4°/-4°, metal version, for flat and connector side assembly/assembly/construction/mounting, for all protective field heights	-	-	BEF-1SHABMAL2	2056598
		Combination C-Fix bracket with L-Fix bracket, 2 pieces each, for all sizes, for all protective field heights	-	-	BEF-3AAA0MKU2S04	2045843
		O-Fix bracket, 2 pieces, for all sizes, for all protective field heights	-	-	BEF-3SHAEMKU2	2045835
	Plug connectors and cables	Female connector, M12, 5-pin, straight, 5 m, PVC	Socket M12 x 5, straight	5 m	DOL-1205-G05M	6009868
		Female connector, M12, 5-pin, straight, 10 m, PVC	Socket M12 x 5, straight	10 m	DOL-1205-G10M	6010544
		Extension connection cable	Plug M12 x 5, socket M12 x 5, plug straight/socket straight	1 m	DSL-1205-G01MC	6029280
		Cable for digital I/Os, M12, 5-pin, socket/plug		2 m	DSL-1205-G02MC	6025931
		System plug	-	350 mm	Cascade system plug	2046454
		System plug		700 mm	Cascade system plug	2046456
		System plug	-	10 m	Standalone system plug	2051290



At a glance

- Type 2 (IEC 61496), PL d (EN ISO 13849)
- Compact cross section (15 x 32 mm) with no dead zones
- Cascadable twin stick design – sender and receiver in a single housing
- Customized protective field heights in 60-mm increments from 120 to 1200 mm
- Typical scanning ranges 0 ... 8 m
- Intelligent, software-free configuration of external device monitoring (EDM) and reset function (RES)
- M12, 5-pin device connection

Your benefits

- Cost-effective machine integration: its small design, cascadable features and incremental protective field heights enable a flexible adjustment to the machine design
- Standardization saves time and resources because of more straightforward logistics, order entry and service
- Simplified handling and setup: Software-free, almost fully automatic commissioning and intuitive operation with sustainable optics
- Bright LED display provides fast alignment, easy start up and clear protective field visualization ensure quick diagnostics
- End-to-end coverage in cascadable applications eliminates dead zones and shortens the safety distance, increasing productivity
- Application-specific brackets provide increased flexibility and reduce installation time

→ www.mysick.com/en/miniTwin2

For more information, just enter the link or scan the QR code and get direct access to technical data, CAD design models, operating instructions, software, application examples and much more.



Ordering information

Other models available at www.mysick.com/en/miniTwin2






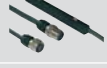

Standalone device

Resolution	Cable length	Protective field height	Model name	Part no.
14 mm	160 mm	120 mm	C2MT-01214BBC03BE0	1207793
		180 mm	C2MT-01814BBC03BE0	1207794
	350 mm	240 mm	C2MT-02414BBC03DE0	1207795
		300 mm	C2MT-03014BBC03DE0	1207796
		360 mm	C2MT-03614BBC03DE0	1207797
		420 mm	C2MT-04214BBC03DE0	1207798
		480 mm	C2MT-04814BBC03DE0	1207799
		540 mm	C2MT-05414BBC03DE0	1207800
	700 mm	600 mm	C2MT-06014BBC03FE0	1207801
		240 mm	C2MT-02424BBC03DE0	1207824
24 mm	350 mm	300 mm	C2MT-03024BBC03DE0	1207825
		360 mm	C2MT-03624BBC03DE0	1207832
		480 mm	C2MT-04824BBC03DE0	1207834
		600 mm	C2MT-06024BBC03FE0	1207836
	700 mm	720 mm	C2MT-07224BBC03FE0	1207838
		900 mm	C2MT-09024BBC03FE0	1207841
		1,020 mm	C2MT-10224BBC03FE0	1207843
		1,200 mm	C2MT-12024BBC03FE0	1207846

Cascaded systems

Resolution	Cable length	Protective field height	Model name	Part no.
24 mm	160 mm	180 mm	C2MT-01824BBC04BE0	1207886
	350 mm	240 mm	C2MT-02424BBC04DE0	1207887
		300 mm	C2MT-03024BBC04DE0	1207888
		480 mm	C2MT-04824BBC04DE0	1207891
	700 mm	600 mm	C2MT-06024BBC04FE0	1207893
		720 mm	C2MT-07224BBC04FE0	1207895
		900 mm	C2MT-09024BBC04FE0	1207898

Accessories

	Accessory category	Brief description	Connection type	Cable length	Model name	Part no.
	Mounting brackets/plates	C-Fix-Flex bracket, adjustable +4°/-4°, metal version, for flat and connector side assembly/assembling/construction/mounting, for all protective field heights	-	-	BEF-1SHABMAL2	2056598
		Combination C-Fix bracket with L-Fix bracket, 2 pieces each, for all sizes, for all protective field heights	-	-	BEF-3AAA0MKU2S04	2045843
		O-Fix bracket, 2 pieces, for all sizes, for all protective field heights	-	-	BEF-3SHAEMKU2	2045835
	Plug connectors and cables	Female connector, M12, 5-pin, straight, 5 m, PVC	Socket M12 x 5, straight	5 m	DOL-1205-G05M	6009868
		Female connector, M12, 5-pin, straight, 10 m, PVC	Socket M12 x 5, straight	10 m	DOL-1205-G10M	6010544
		Extension connection cable	Plug M12 x 5, socket M12 x 5, plug straight/socket straight	1 m	DSL-1205-G01MC	6029280
		Cable for digital I/Os, M12, 5-pin, socket/plug		2 m	DSL-1205-G02MC	6025931
		System plug	-	350 mm	Cascade system plug	2046454
				700 mm	Cascade system plug	2046456
				10 m	Standalone system plug	2051290



At a glance

- Type 4 (IEC 61496), PL e (EN ISO 13849)
- 7-segment display
- PSDI mode with the UE402 switching amplifier
- External device monitoring (EDM) and restart interlock (RES)
- Configuration and diagnostics via PC
- Cascade up to three systems
- ADO (Application Diagnostic Output) signaling output for contamination indicator
- Accessory Clone Plug – for configuration memory

Your benefits

- 7-segment display saves time during alignment and diagnostics
- Beam coding protects the systems against optical interference by ensuring a high level of availability
- Ability to cascade up to three systems optimizes the safety application and reduces wiring costs
- Preconfigured light curtains and the clone plug enables easy and rapid commissioning
- Precise, convenient configuration and diagnostics reduces downtime

→ www.mysick.com/en/C4000_Standard

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Ordering information

Other models available at www.mysick.com/en/C4000_Standard






Standalone device

Resolution	Scanning range	Protective field height	Sender		Receiver	
			Model name	Part no.	Model name	Part no.
14 mm	0 m ... 8 m	300 mm	C40S-0301CA010	1018591	C40E-0301CA010	1018592
		450 mm	C40S-0401CA010	1018347	C40E-0401CA010	1018348
		600 mm	C40S-0601CA010	1018593	C40E-0601CA010	1018594
		750 mm	C40S-0701CA010	1018595	C40E-0701CA010	1018596
		900 mm	C40S-0901CA010	1018597	C40E-0901CA010	1018598
		1,200 mm	C40S-1201CA010	1018601	C40E-1201CA010	1018602
		1,500 mm	C40S-1501CA010	1018605	C40E-1501CA010	1018606
		1,800 mm	C40S-1801CA010	1018609	C40E-1801CA010	1018610
30 mm	0 m ... 19 m	300 mm	C40S-0303CA010	1018635	C40E-0303CA010	1018636
		450 mm	C40S-0403CA010	1018637	C40E-0403CA010	1018638
		600 mm	C40S-0603CA010	1018639	C40E-0603CA010	1018640
		750 mm	C40S-0703CA010	1018641	C40E-0703CA010	1018642
		900 mm	C40S-0903CA010	1018643	C40E-0903CA010	1018644
		1,200 mm	C40S-1203CA010	1018647	C40E-1203CA010	1018648
		1,500 mm	C40S-1503CA010	1018651	C40E-1503CA010	1018652
		1,800 mm	C40S-1803CA010	1018655	C40E-1803CA010	1018656

Cascaded device

Resolution	Scanning range	Protective field height	Sender		Receiver	
			Model name	Part no.	Model name	Part no.
14 mm	0 m ... 8 m	300 mm	C40S-0301DA010	1018690	C40E-0301DA010	1018691
		450 mm	C40S-0401DA010	1018349	C40E-0401DA010	1018350
		600 mm	C40S-0601DA010	1018692	C40E-0601DA010	1018693
		750 mm	C40S-0701DA010	1018694	C40E-0701DA010	1018695
		900 mm	C40S-0901DA010	1018696	C40E-0901DA010	1018697
		1,200 mm	C40S-1201DA010	1018700	C40E-1201DA010	1018701
		1,500 mm	C40S-1501DA010	1018704	C40E-1501DA010	1018705
		1,800 mm	C40S-1801DA010	1018708	C40E-1801DA010	1018709
30 mm	0 m ... 19 m	300 mm	C40S-0303DA010	1018733	C40E-0303DA010	1018734
		450 mm	C40S-0403DA010	1018735	C40E-0403DA010	1018736
		600 mm	C40S-0603DA010	1018737	C40E-0603DA010	1018738
		750 mm	C40S-0703DA010	1018739	C40E-0703DA010	1018740
		900 mm	C40S-0903DA010	1018741	C40E-0903DA010	1018742
		1,200 mm	C40S-1203DA010	1018745	C40E-1203DA010	1018746
		1,500 mm	C40S-1503DA010	1018749	C40E-1503DA010	1018750
		1,800 mm	C40S-1803DA010	1018753	C40E-1803DA010	1018754

Accessories

	Accessory category	Brief description	Connection type	Cable length	Model name	Part no.
	Safety switching amplifier	Safety switching amplifier	–	–	UE402	1023577
	Plug connectors and cables	Connecting cable	Hirschmann cable socket M26 x 11 + FE, straight	5 m	DOL-0612G05M075KM0	2022545
				10 m	DOL-0612G10M075KM0	2022547
				15 m	DOL-0612G15M075KM0	2022548
				20 m	DOL-0612G20M075KM0	2022549
		Cascade connection cable	Hirschmann M26 x 11 + FE, plug straight/ socket straight	0.5 m	DSL-0612G0M5075KM0	2021838
				1 m	DSL-0612G01M075KM0	2022279
				2.5 m	DSL-0612G2M5075KM0	2022282
	Terminal and alignment brackets	Mounting kit 6, side bracket, rotatable	–	–	BEF-1SHABAZN4	2019506
		Mounting kit 2, rotatable, swivel mount	–	–	BEF-2SMMEAKU4	2019659
	Programming/ configuration tools	Clone Plug for saving and transferring configurations	–	–	PLUG1-0C00100	1029665



At a glance

- Type 4 (IEC 61496), PL e (EN ISO 13849)
- Various options for blanking objects: fixed, floating, or teach-in
- 7-segment display
- PSDI mode with the UE402 switching amplifier
- External device monitoring (EDM) and restart interlock (RES)
- Beam coding for correct system allocation
- Configuration and diagnostics via PC
- Cascade up to three systems

Your benefits

- Blanking functions enable reliable and safe object detection and increase the productivity in the process
- 7-segment display saves time during alignment and diagnostics
- Beam coding protects the systems against optical interference by ensuring a high level of availability
- Clone plug enables easy and rapid commissioning, saving time and costs
- Ability to cascade up to three systems optimizes the safety application and reduces wiring costs
- Precise, convenient configuration and diagnostics reduce downtime

→ www.mysick.com/en/C4000_Advanced

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Ordering information

Other models available at www.mysick.com/en/C4000_Advanced






Standalone device

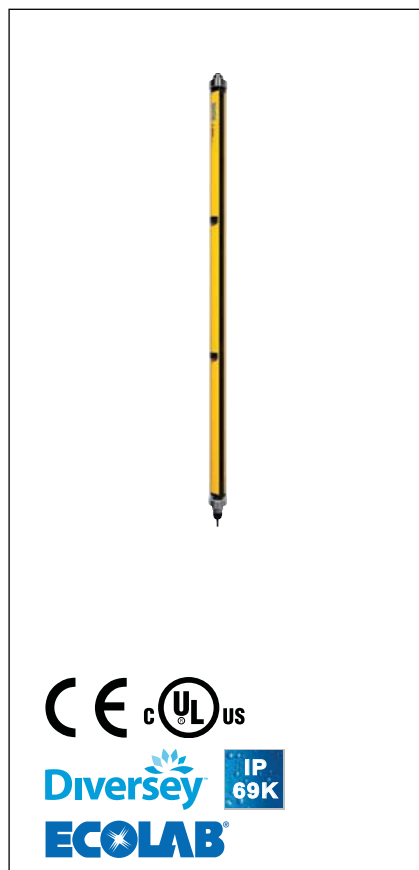
Resolution	Scanning range	Protective field height	Sender		Receiver	
			Model name	Part no.	Model name	Part no.
14 mm	0 m ... 8 m	300 mm	C40S-0301CA010	1018591	C40E-0301CB010	1018781
		450 mm	C40S-0401CA010	1018347	C40E-0401CB010	1018782
		600 mm	C40S-0601CA010	1018593	C40E-0601CB010	1018783
		750 mm	C40S-0701CA010	1018595	C40E-0701CB010	1018784
		900 mm	C40S-0901CA010	1018597	C40E-0901CB010	1018785
		1,200 mm	C40S-1201CA010	1018601	C40E-1201CB010	1018787
		1,500 mm	C40S-1501CA010	1018605	C40E-1501CB010	1018789
		1,800 mm	C40S-1801CA010	1018609	C40E-1801CB010	1018791
30 mm	0 m ... 19 m	300 mm	C40S-0303CA010	1018635	C40E-0303CB010	1018803
		450 mm	C40S-0403CA010	1018637	C40E-0403CB010	1018804
		600 mm	C40S-0603CA010	1018639	C40E-0603CB010	1018805
		750 mm	C40S-0703CA010	1018641	C40E-0703CB010	1018806
		900 mm	C40S-0903CA010	1018643	C40E-0903CB010	1018807
		1,200 mm	C40S-1203CA010	1018647	C40E-1203CB010	1018810
		1,500 mm	C40S-1503CA010	1018651	C40E-1503CB010	1018812
		1,800 mm	C40S-1803CA010	1018655	C40E-1803CB010	1018814

Cascaded device

Resolution	Scanning range	Protective field height	Sender		Receiver	
			Model name	Part no.	Model name	Part no.
14 mm	0 m ... 8 m	300 mm	C40S-0301DA010	1018690	C40E-0301DB010	1018827
		450 mm	C40S-0401DA010	1018349	C40E-0401DB010	1018828
		600 mm	C40S-0601DA010	1018692	C40E-0601DB010	1018829
		750 mm	C40S-0701DA010	1018694	C40E-0701DB010	1018830
		900 mm	C40S-0901DA010	1018696	C40E-0901DB010	1018831
		1,200 mm	C40S-1201DA010	1018700	C40E-1201DB010	1018833
		1,500 mm	C40S-1501DA010	1018704	C40E-1501DB010	1018835
		1,800 mm	C40S-1801DA010	1018708	C40E-1801DB010	1018837
30 mm	0 m ... 19 m	300 mm	C40S-0303DA010	1018733	C40E-0303DB010	1018849
		450 mm	C40S-0403DA010	1018735	C40E-0403DB010	1018850
		600 mm	C40S-0603DA010	1018737	C40E-0603DB010	1018851
		750 mm	C40S-0703DA010	1018739	C40E-0703DB010	1018852
		900 mm	C40S-0903DA010	1018741	C40E-0903DB010	1018853
		1,200 mm	C40S-1203DA010	1018745	C40E-1203DB010	1018855
		1,500 mm	C40S-1503DA010	1018749	C40E-1503DB010	1018857
		1,800 mm	C40S-1803DA010	1018753	C40E-1803DB010	1018859

Accessories

	Accessory category	Brief description	Connection type	Cable length	Model name	Part no.
	Safety switching amplifier	Safety switching amplifier	–	–	UE402	1023577
	Plug connectors and cables	Connecting cable	Hirschmann cable socket M26 x 11 + FE, straight	5 m	DOL-0612G05M075KM0	2022545
				10 m	DOL-0612G10M075KM0	2022547
				15 m	DOL-0612G15M075KM0	2022548
				20 m	DOL-0612G20M075KM0	2022549
		Cascade connection cable	Hirschmann M26 x 11 + FE, plug straight/ socket straight	0.5 m	DSL-0612G0M5075KM0	2021838
				1 m	DSL-0612G01M075KM0	2022279
				2.5 m	DSL-0612G2M5075KM0	2022282
	Terminal and alignment brackets	Mounting kit 6, side bracket, rotatable	–	–	BEF-1SHABAZN4	2019506
		Mounting kit 2, rotatable, swivel mount	–	–	BEF-2SMMEAKU4	2019659
	Programming/ configuration tools	Clone Plug for saving and transferring configurations	–	–	PLUG1-0C00100	1029665



At a glance

- Type 4 (IEC 61496), PL e (EN ISO 13849)
- IP 69K, IP 67, IP 66 and IP 65 enclosure ratings incl. cable
- Withstands wash-down pressure up to 100 bar and water temperature up to 80 °C
- ECOLAB and JohnsonDiversey certified
- Resistant steel materials
- Ventilation valve prevents fogging of the front screen
- Smooth surfaces prevent accumulation of bacteria
- Compact design up to 1.800 mm protective field height

Your benefits

- The longer service life saves costs. IP 69K-tested product – from the housing materials right up to the connection cable
- As an alternative to hard guards, personnel can quickly access protected areas for service, keeping productivity high
- Saves time in the cleaning and is resistant to high pressure cleaners
- Reliable safeguarding, even when temperatures fluctuate

→ www.mysick.com/en/C4000_Micro_in_IP69K_Housing

For more information, just enter the link or scan the QR code and get direct access to technical data, CAD design models, operating instructions, software, application examples and much more.



Ordering information

Other models available at www.mysick.com/en/C4000_Micro_in_IP69K_Housing

Standalone device

Resolution	Scanning range	Protective field height	Sender		Receiver	
			Model name	Part no.	Model name	Part no.
14 mm	0 m ... 1.8 m	300 mm	C45S-0301AA220	1025722	C45E-0301AG220	1025723
		450 mm	C45S-0401AA220	1025727	C45E-0401AG220	1025728
		600 mm	C45S-0601AA220	1025732	C45E-0601AG220	1025733
		750 mm	C45S-0701AA220	1025737	C45E-0701AG220	1025738
		900 mm	C45S-0901AA220	1025742	C45E-0901AG220	1025743
		1,050 mm	C45S-1001AA220	1025747	C45E-1001AG220	1025748
		1,200 mm	C45S-1201AA220	1025753	C45E-1201AG220	1025754
		1,350 mm	C45S-1301AA220	1055506	C45E-1301AG220	1055507
		1,500 mm	C45S-1501AA220	1055511	C45E-1501AG220	1055512
		1,650 mm	C45S-1601AA220	1055516	C45E-1601AG220	1055517
		1,800 mm	C45S-1801AA220	1055521	C45E-1801AG220	1055522

Resolution	Scanning range	Protective field height	Sender		Receiver	
			Model name	Part no.	Model name	Part no.
30 mm	0 m ... 4.5 m	300 mm	C45S-0303AA220	1025724	C45E-0303AG220	1025725
		450 mm	C45S-0403AA220	1025729	C45E-0403AG220	1025730
		600 mm	C45S-0603AA220	1025734	C45E-0603AG220	1025735
		750 mm	C45S-0703AA220	1025739	C45E-0703AG220	1025740
		900 mm	C45S-0903AA220	1025744	C45E-0903AG220	1025745
		1,050 mm	C45S-1003AA220	1025749	C45E-1003AG220	1025750
		1,200 mm	C45S-1203AA220	1025755	C45E-1203AG220	1025756
		1,350 mm	C45S-1303AA220	1055508	C45E-1303AG220	1055509
		1,500 mm	C45S-1503AA220	1055513	C45E-1503AG220	1055514
		1,650 mm	C45S-1603AA220	1055518	C45E-1603AG220	1055519
		1,800 mm	C45S-1803AA220	1055523	C45E-1803AG220	1055524
	4 m ... 14.5 m	300 mm	C45S-0303BA220	1055627	C45E-0303AG220	1025725
		450 mm	C45S-0403BA220	1055628	C45E-0403AG220	1025730
		600 mm	C45S-0603BA220	1055629	C45E-0603AG220	1025735
		750 mm	C45S-0703BA220	1055630	C45E-0703AG220	1025740
		900 mm	C45S-0903BA220	1055631	C45E-0903AG220	1025745
		1,050 mm	C45S-1003BA220	1055632	C45E-1003AG220	1025750
		1,200 mm	C45S-1203BA220	1055633	C45E-1203AG220	1025756
		1,350 mm	C45S-1303BA220	1055634	C45E-1303AG220	1055509
		1,500 mm	C45S-1503BA220	1055635	C45E-1503AG220	1055514
		1,650 mm	C45S-1603BA220	1055636	C45E-1603AG220	1055519
		1,800 mm	C45S-1803BA220	1055637	C45E-1803AG220	1055524

Accessories

	Accessory category	Brief description	Model name	Part no.
	Device protection (mechanical)	Bidirectional ventilation membrane made from Gore-Tex	Bidirectional ventilation membrane	5309082
	Other mounting accessories	Mounting tool for M12 cable socket, small housing	Installation wrench	4034690
	Programming/ configuration tools	Test rod holder	BEF-3WNAAAAL1	2052249
		14 mm diameter	Test rod	2022599
		30 mm diameter	Test rod	2022602
	Terminal and alignment brackets	Stainless steel support bracket	BEF-2AAAADES2	2026849
		Stainless steel bracket, rotatable	BEF-2SMMEAES4	2023708
		Reinforced stainless steel bracket, rotatable	BEF-2SMMVAES4	2026850



At a glance

- Type 4 (IEC 61496), PL e (EN ISO 13849)
- Protective operation
- Absence of blind zones
- Resolution of 14 mm or 30 mm
- Protective field height of 300 mm to 2100 mm
- Automatic distance measurement of up to 10 m range
- Ambient operating temperature of -30 °C to +55 °C
- Enclosure rating IP 65 / IP 67

Your benefits

- Simple assembly with innovative mounting and no blind zones
- Quick commissioning thanks to integrated LED display and automatic distance measurement of up to 10 m
- Simply safe: rugged and reliable thanks to enclosure rating IP 67 and an ambient operating temperature down to -30 °C, enabling use in harsh ambient conditions
- Intelligently standardized: M12, 5-pin provide cost reductions
- Basic function with minimal configuration effort enables quick replacement when servicing is required

→ www.mysick.com/en/deTec4_Core

For more information, just enter the link or scan the QR code and get direct access to technical data, CAD design models, operating instructions, software, application examples and much more.



Ordering information

Other models available at www.mysick.com/en/deTec4_Core






- Resolution: 14 mm

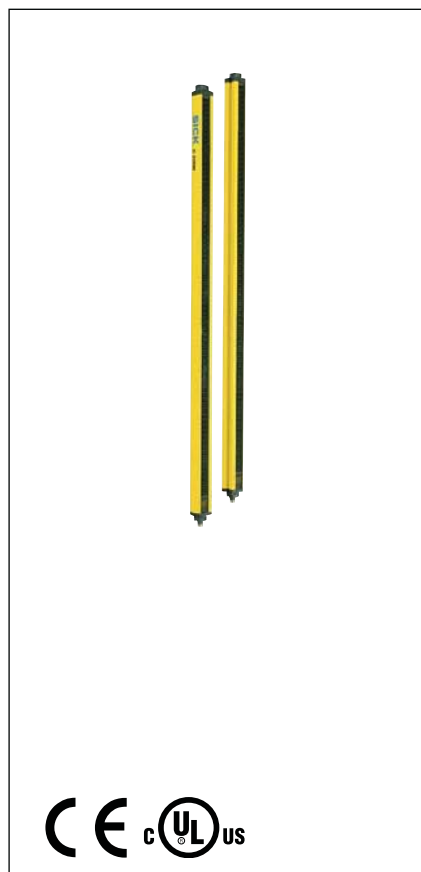
Protective field height	Sender		Receiver	
	Model name	Part no.	Model name	Part no.
300 mm	C4C-SA03010A10000	1211450	C4C-EA03010A10000	1211463
450 mm	C4C-SA04510A10000	1211469	C4C-EA04510A10000	1211470
600 mm	C4C-SA06010A10000	1211471	C4C-EA06010A10000	1211472
750 mm	C4C-SA07510A10000	1211473	C4C-EA07510A10000	1211474
900 mm	C4C-SA09010A10000	1211475	C4C-EA09010A10000	1211515
1,050 mm	C4C-SA10510A10000	1211476	C4C-EA10510A10000	1211477
1,200 mm	C4C-SA12010A10000	1211478	C4C-EA12010A10000	1211479
1,350 mm	C4C-SA13510A10000	1211480	C4C-EA13510A10000	1211481
1,500 mm	C4C-SA15010A10000	1211482	C4C-EA15010A10000	1211483
1,650 mm	C4C-SA16510A10000	1211484	C4C-EA16510A10000	1211485
1,800 mm	C4C-SA18010A10000	1211486	C4C-EA18010A10000	1211487
1,950 mm	C4C-SA19510A10000	1211488	C4C-EA19510A10000	1211489
2,100 mm	C4C-SA21010A10000	1211490	C4C-EA21010A10000	1211491

- Resolution: 30 mm

Protective field height	Sender		Receiver	
	Model name	Part no.	Model name	Part no.
300 mm	C4C-SA03030A10000	1211462	C4C-EA03030A10000	1211464
450 mm	C4C-SA04530A10000	1211492	C4C-EA04530A10000	1211493
600 mm	C4C-SA06030A10000	1211494	C4C-EA06030A10000	1211495
750 mm	C4C-SA07530A10000	1211496	C4C-EA07530A10000	1211497
900 mm	C4C-SA09030A10000	1211498	C4C-EA09030A10000	1211516
1,050 mm	C4C-SA10530A10000	1211499	C4C-EA10530A10000	1211500
1,200 mm	C4C-SA12030A10000	1211501	C4C-EA12030A10000	1211502
1,350 mm	C4C-SA13530A10000	1211503	C4C-EA13530A10000	1211504
1,500 mm	C4C-SA15030A10000	1211505	C4C-EA15030A10000	1211506
1,650 mm	C4C-SA16530A10000	1211507	C4C-EA16530A10000	1211508
1,800 mm	C4C-SA18030A10000	1211509	C4C-EA18030A10000	1211510
1,950 mm	C4C-SA19530A10000	1211511	C4C-EA19530A10000	1211512
2,100 mm	C4C-SA21030A10000	1211513	C4C-EA21030A10000	1211514

Accessories

	Accessory category	Brief description	Connection type	Cable length	Model name	Part no.
	Alignment aids	Laser alignment aid for various sensors, laser class 2 (IEC 60825): Never look into the beam.	–	–	AR60	1015741
		Adapter for alignment aid AR60	–	–	Adapter AR60 for deTec4 Core	4070854
	Plug connectors and cables	Female connector, M12, 5-pin, straight, 5 m, PUR halogen free	Straight	5 m	DOL-1205-G05MC	6025907
		Connecting cable	Straight	10 m	DOL-1205-G10MC	6025908
				20 m	DOL-1205-G20MC	6050247
				30 m	DOL-1205-G30MC	6050248
	Terminal and alignment brackets	FlexFix bracket	–	–	BEF-1SHABPKU4	2066614
		QuickFix bracket			BEF-3SHABPKU2	2066048



At a glance

- Type 2 (IEC 61496), PL d (EN ISO 13849)
- Robust, industrial housing
- 7-segment display
- Impact and scratch-resistant front screen
- External device monitoring (EDM)
- Beam coding for correct system allocation
- A wide range of standardized connection and mounting accessories
- Internal self-testing function, configurable without PC

Your benefits

- Customer-friendly interfaces and status display simplify commissioning and maintenance
- High-quality industrial design provides reliable and durable continuous operation
- 7-segment display saves time during alignment and diagnostics
- Rugged design with a high level of resistance to environmental changes ensures high machine availability, even under special ambient conditions
- A multitude of intelligent mounting adapters enables flexible, time-saving installation
- Ability to integrate SICK safe control solutions provides additional application flexibility and customization, including restart interlock and EDM functions
- Special variants for wash down environments

→ www.mysick.com/en/C2000_Standard

For more information, just enter the link or scan the QR code and get direct access to technical data, CAD design models, operating instructions, software, application examples and much more.



Ordering information









Other models available at www.mysick.com/en/C2000_Standard

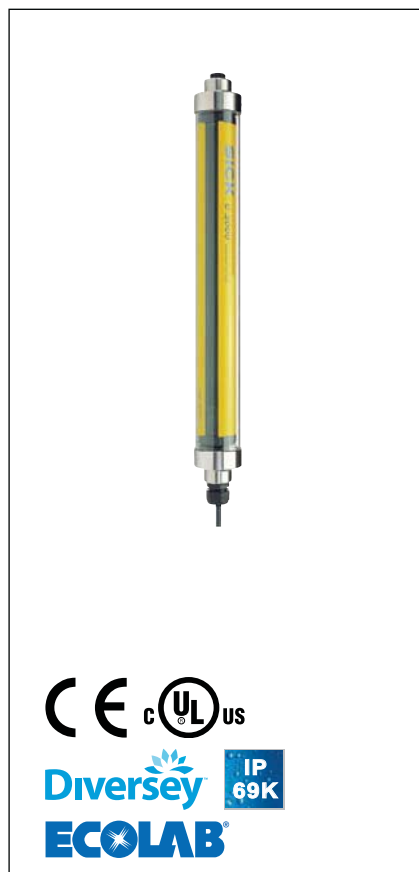
- Scanning range: 0 m ... 6 m

Resolution	Protective field height	Sender		Receiver	
		Model name	Part no.	Model name	Part no.
20 mm	150 mm	C20S-015102A11	1016563	C20E-015302A11	1016564
	300 mm	C20S-030102A11	1016448	C20E-030302A11	1016449
	450 mm	C20S-045102A11	1016573	C20E-045302A11	1016459
	600 mm	C20S-060102A11	1016574	C20E-060302A11	1016575
30 mm	300 mm	C20S-030103A11	1016568	C20E-030303A11	1016569
	450 mm	C20S-045103A11	1016454	C20E-045303A11	1016455
	600 mm	C20S-060103A11	1016477	C20E-060303A11	1016478
	750 mm	C20S-075103A11	1016479	C20E-075303A11	1016480
	900 mm	C20S-090103A11	1016481	C20E-090303A11	1016482
	1,050 mm	C20S-105103A11	1016483	C20E-105303A11	1016484
	1,200 mm	C20S-120103A11	1016594	C20E-120303A11	1016595
	1,350 mm	C20S-135103A12	1016600	C20E-135303A12	1016601
	1,500 mm	C20S-150103A12	1016605	C20E-150303A12	1016606
	1,650 mm	C20S-165103A12	1016610	C20E-165303A12	1016611
	1,800 mm	C20S-180103A12	1016615	C20E-180303A12	1016616

Resolution	Protective field height	Sender		Receiver	
		Model name	Part no.	Model name	Part no.
40 mm	300 mm	C20S-030104A11	1016570	C20E-030304A11	1016571
	450 mm	C20S-045104A11	1016456	C20E-045304A11	1016457
	600 mm	C20S-060104A11	1016576	C20E-060304A11	1016577
	750 mm	C20S-075104A11	1016581	C20E-075304A11	1016582
	900 mm	C20S-090104A11	1016586	C20E-090304A11	1016587
	1,050 mm	C20S-105104A11	1016591	C20E-105304A11	1016592
	1,200 mm	C20S-120104A11	1016596	C20E-120304A11	1016597
	1,350 mm	C20S-135104A12	1016603	C20E-135304A12	1016604
	1,500 mm	C20S-150104A12	1016608	C20E-150304A12	1016609
	1,650 mm	C20S-165104A12	1016613	C20E-165304A12	1016614
	1,800 mm	C20S-180104A12	1016618	C20E-180304A12	1016619

Accessories

	Accessory category	Brief description	Connection type	Cable length	Model name	Part no.
	Other mounting accessories	Sliding nut set, M5	–	–	Sliding nuts	2017550
	Plug connectors and cables	Connecting cable	M12 x 7 + FE, straight	5 m	DOL-127SG05ME25KM0	6020354
				10 m	DOL-127SG10ME25KM0	6020352
				15 m	DOL-127SG15ME25KM0	6020872
		Cable receptacles	M12 x 8, straight	–	DOS-1208-G	6028422
	Terminal and alignment brackets	Mounting kit 6, side bracket, rotatable	–	–	BEF-1SHABAZN4	2019506
		Stainless steel bracket, rotatable, for protective field height 150 mm ... 1,200 mm	–	–	BEF-2SMKEAES4	2030288
		Mounting kit 1, rotatable, swivel mount, for protective field height 150 mm ... 1,200 mm	–	–	BEF-2SMKEAKU4	2019649
		Stainless steel bracket, rotatable, for protective field height 1,350 mm ... 1,800 mm	–	–	BEF-2SMMEAES4	2023708
		Mounting kit 2, rotatable, swivel mount, for protective field height 1,350 mm ... 1,800 mm	–	–	BEF-2SMMEAKU4	2019659



At a glance

- Type 2 (IEC 61496), PL d (EN ISO 13849)
- IP 69K, IP 67, IP 66 and IP 65 enclosure ratings incl. cable
- Withstands wash-down pressure up to 100 bar and water temperature up to 80 °C
- ECOLAB and JohnsonDiversey certified
- Resistant steel materials
- Ventilation valve prevents fogging of the front screen
- Smooth surfaces prevent accumulation of bacteria
- Compact design

Your benefits

- IP 69K-rated housing and connection cables provide a longer service life, which saves costs
- As an alternative to hard guards, personnel can quickly access and service protected areas, keeping productivity high
- Resistance to high pressure cleaners saves time in the cleaning process
- Reliable safeguarding, even when temperatures fluctuate

→ www.mysick.com/en/C2000_Standard_in_IP69K_Housing

For more information, just enter the link or scan the QR code and get direct access to technical data, CAD design models, operating instructions, software, application examples and much more.










Ordering information

Other models available at www.mysick.com/en/C2000_Standard_in_IP69K_Housing

- Resolution: 30 mm

Scanning range	Protective field height	Sender		Receiver	
		Model name	Part no.	Model name	Part no.
0 m ... 4.5 m	150 mm	C25S-015103C11	1024184	C25E-015303C11	1024185
	300 mm	C25S-030103C11	1024187	C25E-030303C11	1024188
	450 mm	C25S-045103C11	1024190	C25E-045303C11	1024191
	600 mm	C25S-060103C11	1024193	C25E-060303C11	1024194
	750 mm	C25S-075103C11	1024196	C25E-075303C11	1024197
	900 mm	C25S-090103C11	1024199	C25E-090303C11	1024200
	1,050 mm	C25S-105103C11	1024202	C25E-105303C11	1024203
	1,200 mm	C25S-120103C11	1024205	C25E-120303C11	1024206
2.5 m ... 14.5 m	150 mm	C25S-015203C11	1024186	C25E-015303C11	1024185
	300 mm	C25S-030203C11	1024189	C25E-030303C11	1024188
	450 mm	C25S-045203C11	1024192	C25E-045303C11	1024191
	600 mm	C25S-060203C11	1024195	C25E-060303C11	1024194
	750 mm	C25S-075203C11	1024198	C25E-075303C11	1024197
	900 mm	C25S-090203C11	1024201	C25E-090303C11	1024200
	1,050 mm	C25S-105203C11	1024204	C25E-105303C11	1024203
	1,200 mm	C25S-120203C11	1024207	C25E-120303C11	1024206

Accessories

	Accessory category	Brief description	Model name	Part no.
	Device protection (mechanical)	Bidirectional ventilation membrane made from Gore-Tex	Bidirectional ventilation membrane	5309082
	Other mounting accessories	Mounting tool for M12 cable socket, small housing	Installation wrench	4034690
	Programming/ configuration tools	Test rod holder	BEF-3WNAAAAL1	2052249
		14 mm diameter	Test rod	2022599
		30 mm diameter	Test rod	2022602
	Terminal and alignment brackets	Stainless steel support bracket	BEF-2AAAADDES2	2026849
		Stainless steel bracket, rotatable	BEF-2SMMEAES4	2023708
		Reinforced stainless steel bracket, rotatable	BEF-2SMMVAES4	2026850



At a glance

- Type 4 (IEC 61496), PL e (EN ISO 13849)
- Robust housing with three mounting grooves
- 7-segment display
- Wide scanning range, up to 70 m
- External device monitoring (EDM), restart interlock (RES) and application diagnostic output (ADO)
- Standardized M12 connectivity
- Optional integration features: laser alignment aid, LED or AS-i interface
- Configuration keys located directly on the device

Your benefits

- The wide scanning range allows the device to be customized according to the application
- Robust design with a high level of resistance to environmental changes ensures high machine availability, even under special ambient conditions
- Customized protection field adaption with deflection mirror reduces installation costs
- Mounting grooves on three housing sides ensure more flexibility during mounting and simplify machine integration
- Customer-friendly interfaces and status display simplify commissioning and maintenance
- Fast start-up times due to easy alignment, using the optional laser alignment aid and performing configuration directly on the device
- Reduced downtime through 360° visible LED and diagnostics displays

→ www.mysick.com/en/M4000_Standard

For more information, just enter the link or scan the QR code and get direct access to technical data, CAD design models, operating instructions, software, application examples and much more.



Ordering information

Other models available at www.mysick.com/en/M4000_Standard

M4000 Standard

Number of beams	Beam separation	Sender		Receiver	
		Model name	Part no.	Model name	Part no.
2	500 mm	M40S-025000AR0	1200000	M40E-025000RR0	1200017
	600 mm	M40S-026000AR0	1200001	M40E-026000RR0	1200018
3	220 mm	M40S-032200AR0	1200002	M40E-032200RR0	1200019
	400 mm	M40S-034000AR0	1200003	M40E-034000RR0	1200020
	450 mm	M40S-034500AR0	1200004	M40E-034500RR0	1200021
4	220 mm	M40S-042200AR0	1200005	M40E-042200RR0	1200022
	300 mm	M40S-043000AR0	1200006	M40E-043000RR0	1200023
5	220 mm	M40S-052200AR0	1200007	M40E-052200RR0	1200024
6	220 mm	M40S-062200AR0	1200008	M40E-062200RR0	1200025
7	220 mm	M40S-072200AR0	1200009	M40E-072200RR0	1200026
8	220 mm	M40S-082200AR0	1200010	M40E-082200RR0	1200027

M4000 Standard, with integrated alignment aid and end cap with integrated LED

Number of beams	Beam separation	Sender		Receiver	
		Model name	Part no.	Model name	Part no.
2	500 mm	M40S-025010AR0	1200011	M40E-025030RR0	1200038
	600 mm	M40S-026010AR0	1200012	M40E-026030RR0	1200039
3	400 mm	M40S-034010AR0	1200013	M40E-034030RR0	1200040
	450 mm	M40S-034510AR0	1200014	M40E-034530RR0	1200041
4	300 mm	M40S-043010AR0	1200015	M40E-043030RR0	1200042

M4000 Standard A/P

Number of beams	Beam separation	Sender/receiver in one housing		Mirror	
		Model name	Part no.	Model name	Part no.
2	500 mm	M40Z-025000RR0	1200120	PSD01-1501 ¹⁾	1027906
		M40Z-025000TR0	1200122	PSD01-2501 ²⁾	1027907
4	300 mm	M40Z-043000TR0	1200123	PSD02-2301 ²⁾	1027908







¹⁾ With mirror deflection (max. effective scanning range 7.5 m). ²⁾ With fiber-optic cable deflection (max. effective scanning range 4.5 m).

M4000 Standard A/P, includes end cap with integrated LED

Number of beams	Beam separation	Sender/receiver in one housing		Mirror	
		Model name	Part no.	Model name	Part no.
2	500 mm	M40Z-025020RR0	1200124	PSD01-1501 ¹⁾	1027906
		M40Z-025020TR0	1200129	PSD01-2501 ²⁾	1027907
4	300 mm	M40Z-043020TR0	1200130	PSD02-2301 ²⁾	1027908

¹⁾ With mirror deflection (max. effective scanning range 7.5 m). ²⁾ With fiber-optic cable deflection (max. effective scanning range 4.5 m).

Accessories

	Accessory category	Brief description	Connection type	Cable length	Model name	Part no.
	Alignment aids	Laser alignment aid for various sensors, laser class 2 (IEC 60825): Never look into the beam.	–	–	AR60	1015741
	Device protection (mechanical)	Robust device column with two external mounting slots, maximum installation length 1165 mm, column height 1185 mm	–	–	PU3H11-00000000	2045641
		Robust device column with two external mounting slots, maximum installation length 1265 mm, column height 1285 mm	–	–	PU3H13-00000000	2045642
		Robust device column with two external mounting slots, maximum installation length 965 mm, column height 985 mm	–	–	PU3H96-00000000	2045490
	Mounting brackets/plates	Mounting kit 1, mounting bracket, rigid, L-shaped, including fixing screws and washers	–	–	BEF-3WNGBAST4	7021352
	Plug connectors and cables	Connecting cable	M12 x 7 + FE, straight	5 m	DOL-127SG05ME25KM0	6020354
				10 m	DOL-127SG10ME25KM0	6020352
				15 m	DOL-127SG15ME25KM0	6020872
	Terminal and alignment brackets	Mounting kit 6, side bracket, rotatable	–	–	BEF-1SHABAZN4	2019506
		Mounting kit 12, rotatable, swivel mount	–	–	BEF-2SMGEAKU4	2030510



At a glance

- Type 4 (IEC 61496), PL e (EN ISO 13849)
- Robust housing with three mounting grooves
- 7-segment display
- Wide scanning range, up to 70 m
- External device monitoring (EDM), restart interlock (RES), application diagnostic output (ADO), SDL interface
- Muting in combination with the UE403 switching amplifier
- Laser alignment aid and LED optional integrated
- Configuration and diagnostics via PC

Your benefits

- The wide scanning range allows the device to be customized according to the application
- Robust design with a high level of resistance to environmental changes ensures high machine availability, even under special ambient conditions
- Mounting grooves on three housing sides ensure more mounting flexibility and simplify machine integration
- Customer-friendly interfaces and status display simplify commissioning and maintenance
- For 2- and 4-sensor muting, the on-site connection of the muting signals significantly minimizes wiring costs and simplifies commissioning and maintenance
- Reduced downtime due to 360° visible LED, diagnostics displays and configuration memory in the UE403 switching amplifier

→ www.mysick.com/en/M4000_Advanced

For more information, just enter the link or scan the QR code and get direct access to technical data, CAD design models, operating instructions, software, application examples and much more.



Ordering information

Other models available at www.mysick.com/en/M4000_Advanced

M4000 Advanced

Number of beams	Beam separation	Sender		Receiver	
		Model name	Part no.	Model name	Part no.
2	500 mm	M40S-025003AA0	1200060	M40E-025003RB0	1200065
		M40S-025003EA0	1202667	M40E-025003WB0	1202707
3	600 mm	M40S-026003AA0	1200070	M40E-026003RB0	1200096
	220 mm	M40S-032203AA0	1200063	M40E-032203RB0	1200097
	400 mm	M40S-034003AA0	1200061	M40E-034003RB0	1200064
4	450 mm	M40S-034503AA0	1200071	M40E-034503RB0	1200098
	220 mm	M40S-042203AA0	1200072	M40E-042203RB0	1200099
	300 mm	M40S-043003AA0	1200073	M40E-043003RB0	1200100
5	220 mm	M40S-052203AA0	1200074	M40E-052203RB0	1200101
6	220 mm	M40S-062203AA0	1200075	M40E-062203RB0	1200102
7	220 mm	M40S-072203AA0	1200076	M40E-072203RB0	1200103
8	220 mm	M40S-082203AA0	1200077	M40E-082203RB0	1200104

M4000 Advanced, with integrated alignment aid and end cap with integrated LED

Number of beams	Beam separation	Sender		Receiver	
		Model name	Part no.	Model name	Part no.
2	500 mm	M40S-025013AA0	1200057	M40E-025033RB0	1200110
	600 mm	M40S-026013AA0	1200078	M40E-026033RB0	1200111
3	400 mm	M40S-034013AA0	1200069	M40E-034033RB0	1200068
	450 mm	M40S-034513AA0	1200082	M40E-034533RB0	1200112
4	300 mm	M40S-043013AA0	1200080	M40E-043033RB0	1200113

M4000 Advanced A/P

Number of beams	Beam separation	Sender/receiver in one housing		Mirror	
		Model name	Part no.	Model name	Part no.
2	500 mm	M40Z-025003RB0	1200115	PSD01-1501 ¹⁾	1027906
		M40Z-025003TB0	1200128	PSD01-2501 ²⁾	1027907
4	300 mm	M40Z-043003TB0	1200127	PSD02-2301 ²⁾	1027908






¹⁾ With mirror deflection (max. effective scanning range 7.5 m). ²⁾ With fiber-optic cable deflection (max. effective scanning range 4.5 m).





M4000 Advanced A/P, includes end cap with integrated LED

Number of beams	Beam separation	Sender/receiver in one housing		Mirror	
		Model name	Part no.	Model name	Part no.
2	500 mm	M40Z-025023RB0	1200126	PSD01-1501 ¹⁾	1027906
		M40Z-025023TB0	1200125	PSD01-2501 ²⁾	1027907
4	300 mm	M40Z-043023TB0	1200131	PSD02-2301 ²⁾	1027908

¹⁾ With mirror deflection (max. effective scanning range 7.5 m). ²⁾ With fiber-optic cable deflection (max. effective scanning range 4.5 m).

Accessories

	Accessory category	Brief description	Connection type	Cable length	Model name	Part no.
	Safety switching amplifier	Safety switching amplifier	Socket M12 x 5	–	UE403-A0930	1026287
	Device protection (mechanical)	Robust device column with two external mounting slots, maximum installation length 1720 mm, column height 1740 mm	–	–	PU3H17-00000000	2045643
	Muting accessories	M4000 muting arm-kit with four parallel-muting sensors	–	–	M4000 muting arm-kit with four parallel-muting sensors	2046170
		M4000 muting arm-kit with two crossed-muting sensors			M4000 muting arm-kit with two crossed-muting sensors	2046171
		M4000 muting arm-kit with two parallel-muting sensors			M4000 muting arm-kit with two parallel-muting sensors	2060156

	Accessory category	Brief description	Connection type	Cable length	Model name	Part no.
	Plug connectors and cables	Connecting cable	Hirschmann cable socket M26 x 11 + FE, straight	5 m	DOL-0610G05M075KM1	2046888
				10 m	DOL-0610G10M075KM1	2046889
		Cable for digital I/Os, M12, 5-pin, socket/plug	Plug M12 x 5, socket M12 x 5, plug straight/socket straight	2 m	DSL-1205-G02MC	6025931
	Terminal and alignment brackets	Mounting kit 6, side bracket, rotatable	–	–	BEF-1SHABAZN4	2019506
		Mounting kit 12, rotatable, swivel mount	–	–	BEF-2SMGEAKU4	2030510



At a glance

- Type 4 (IEC 61496), PL e (EN ISO 13849)
- IP 69K, IP 67, IP 66 and IP 65 enclosure ratings incl. cable
- Withstands wash-down pressure up to 100 bar and water temperature up to 80 °C
- ECOLAB and JohnsonDiversey certified
- Resistant steel materials
- Ventilation valve prevents fogging of the front screen
- Smooth surfaces prevent accumulation of bacteria
- Unique A/P version for comfortable integration

Your benefits

- High resistance reduces risk of contamination and increases the production quality
- Cost reduction through long-lasting products, enclosure rating IP 69K for all materials including cable
- Replacement for mechanical guards, with the following advantages:
- Fast access for personnel and service increases productivity
- Saving potential for cleaning time and use of detergents

→ www.mysick.com/en/M4000_Standard_in_IP69K_Housing

For more information, just enter the link or scan the QR code and get direct access to technical data, CAD design models, operating instructions, software, application examples and much more.



Ordering information

Other models available at www.mysick.com/en/M4000_Standard_in_IP69K_Housing





M4000 Standard in IP69K Housing

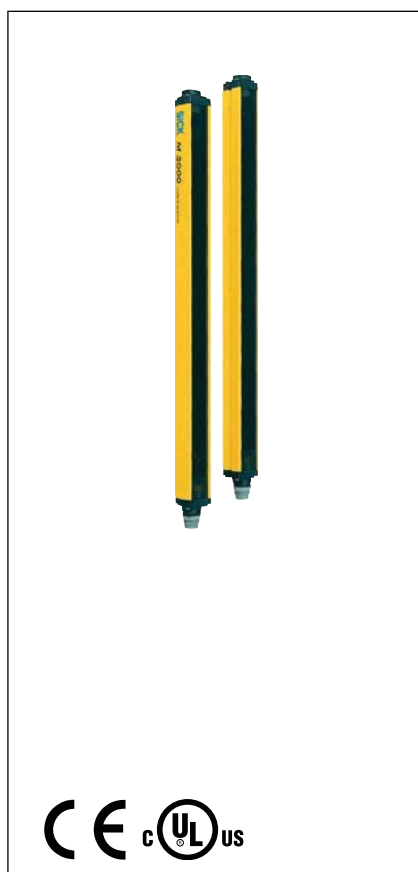
Number of beams	Beam separation	Scanning range	Sender		Receiver	
			Model name	Part no.	Model name	Part no.
3	400 mm	0.5 m ... 15.5 m	M45S-034000ELO	1057664	M45E-034000ELO	1057665
		9 m ... 53 m	M45S-034000ELO	1057664	M45E-034000FLO	1057666

M4000 Standard A/P in IP69K Housing

Number of beams	Beam separation	Scanning range	Sender/receiver in one housing		Mirror	
			Model name	Part no.	Model name	Part no.
4	300 mm	0.5 m ... 4 m	M45Z-043000FLO	1057667	PSI02-2302	1057668

Accessories

	Accessory category	Brief description	Model name	Part no.
	Device protection (mechanical)	Bidirectional ventilation membrane made from Gore-Tex	Bidirectional ventilation membrane	5309082
	Other mounting accessories	Mounting tool for M12 cable socket, large housing	Mounting key	4067618
	Terminal and alignment brackets	Stainless steel support bracket	BEF-2AAAAOES2	2060164
		Reinforced stainless steel bracket, rotatable	BEF-2SMGVAES4	2060165



At a glance

- Type 2 (IEC 61496), PL d (EN ISO 13849)
- Wide scanning range up to 70 m
- External device monitoring (EDM) and restart interlock (RES)
- Robust, industrial housing
- Internal self-testing – configurable without PC
- 7-segment display for diagnostics
- Beam coding for correct system allocation
- Economical active/passive variants minimize the wiring costs
- Special IP 69K variants for wash down areas

Your benefits

- High-quality industrial design provides reliable and durable continuous operation
- Robust design with a high level of resistance to environmental changes ensures high machine availability, even under special ambient conditions
- Customized protection field adaption with deflection mirror reduces installation costs
- The wide scanning range allows the device to be customized according to the application
- Customer-friendly interfaces and status display simplify commissioning and maintenance
- Integrated additional functions: Reset and EDM for short cable distances to connect with cost-optimized, positively guided relays
- Economical active/passive variants minimize the wiring costs and installation time
- Special variants for wash down environments

→ www.mysick.com/en/M2000_Standard

For more information, just enter the link or scan the QR code and get direct access to technical data, CAD design models, operating instructions, software, application examples and much more.



Ordering information

Other models available at www.mysick.com/en/M2000_Standard







M2000 Standard

Number of beams	Beam separation or resolution	Scanning range	Sender		Receiver	
			Model name	Part no.	Model name	Part no.
2	500 mm	0 m ... 25 m	M20S-02150A122	1018186	M20E-02150A122	1018187
		0 m ... 70 m	M20S-02250A122	1018174	M20E-02250A122	1018175
3	400 mm	0 m ... 25 m	M20S-03140A122	1018188	M20E-03140A122	1018189
		0 m ... 70 m	M20S-03240A122	1018178	M20E-03240A122	1018179
4	300 mm	0 m ... 25 m	M20S-04130A122	1018190	M20E-04130A122	1018191

M2000 Standard A/P

Number of beams	Beam separation	Scanning range	Sender/receiver in one housing		Mirror	
			Model name	Part no.	Model name	Part no.
1	500 mm	0 m ... 6 m	M20Z-02550A122	1018361	PSR01-1501	1016677

Accessories

	Accessory category	Brief description	Connection type	Cable length	Model name	Part no.
	Alignment aids	Laser alignment aid for various sensors, laser class 2 (IEC 60825): Never look into the beam.	–	–	AR60	1015741
		Adapter for alignment aid AR60	–	–	Adapter for AR60, for large housing profile	4032461
	Device protection (mechanical)	Robust device column with two external mounting slots, maximum installation length 1165 mm, column height 1185 mm	–	–	PU3H11-00000000	2045641
		Robust device column with two external mounting slots, maximum installation length 1265 mm, column height 1285 mm	–	–	PU3H13-00000000	2045642
		Robust device column with two external mounting slots, maximum installation length 965 mm, column height 985 mm	–	–	PU3H96-00000000	2045490
	Plug connectors and cables	Connecting cable	M12 x 7 + FE, straight	10 m	DOL-127SG10ME25KM0	6020352
				15 m	DOL-127SG15ME25KM0	6020872
	Terminal and alignment brackets	Mounting kit 6, side bracket, rotatable	–	–	BEF-1SHABAZN4	2019506
		Mounting kit 2, rotatable, swivel mount	–	–	BEF-2SMMEAKU4	2019659



At a glance

- Type 4 (IEC 61496), PL e (EN ISO 13849), only in conjunction with UE401
- Small M18 sensors with ranges up to 10 m
- Compact M30 sensors with ranges up to 60 m
- Enclosure rating IP 67
- Temperature range from -20 °C ... +55 °C
- Narrow evaluation device (22.5 mm) with external device monitoring and restart interlock (EDM/RES)
- Fast response time of max. 30 ms
- Up to 8 sensors can be cascaded

Your benefits

- Easy integration due to small, compact versions with maximum range
- Flexible device integration makes it possible to set up individual protective fields
- Fast response times reduces safety distance and saves production area
- Extremely well suited for extreme ambient conditions such as heat, cold or moisture
- Straightforward configuration without a computer, only with the help of jumpers

→ www.mysick.com/en/L4000_Systems

For more information, just enter the link or scan the QR code and get direct access to technical data, CAD design models, operating instructions, software, application examples and much more.



Ordering information

Other models available at www.mysick.com/en/L4000_Systems

Construction size	Connection type	Scanning range	Optical axis	Housing material	Sender		Receiver	
					Model name	Part no.	Model name	Part no.
M18, 107.7 mm	Plug M12 x 4, straight	0 m ... 5 m	Radial	Metal	L40S-11MA1A	6027341	L40E-11MA1A	6027342
M18, 97.7 mm		0 m ... 10 m	Axial	Plastic	L40S-21KA1A	6027337	L40E-21KA1A	6027338
				Metal	L40S-21MA1A	6027339	L40E-21MA1A	6027340
M30, 100 mm	Plug M12 x 4, angled	0 m ... 60 m	Axial	Metal	L40S-33MA2A	6027335	L40E-33MA2A	6027336

Accessories

	Accessory category	Brief description	Connection type	Cable length	Model name	Part no.
	Safety relays	Contact expansion	Plug-in screw-type terminal	–	UE10-30S3D0	6024918
		Evaluation unit			UE401-A0010	6027343
		Flexi Classic main module			UE410-MU3T5	6026136
	Mounting brackets/plates	Mounting bracket, M30 thread	–	–	BEF-WN-M30	5308445
	Plug connectors and cables	Female connector, M12, 4-pin, straight, 5 m, PVC	Socket M12 x 4, straight	5 m	DOL-1204-G05M	6009866
		Connector	Socket M12 x 4, angled	5 m	DOL-1204-W05M	6009867
			Socket M12 x 4, straight	–	DOS-1204-G	6007302
			Socket M12 x 4, angled	–	DOS-1204-W	6007303



At a glance

- Type 4 (IEC 61496), PL e (EN ISO 13849), only in conjunction with suitable testing device, e.g., Flexi Classic, DeviceNet Safety
- Small M18 sensors with ranges up to 10 m
- Compact M30 sensors with ranges up to 60 m
- Enclosure rating IP 67
- Temperature range from -40 °C ... +55 °C

Your benefits

- Easy integration due to small, compact versions with maximum range
- Directly connect to a safety controller – without a separate test box, reducing costs
- Flexible device integration makes it possible to set up individual protective fields
- Well suited to withstand extreme ambient conditions such as heat, cold or moisture

→ www.mysick.com/en/L41

For more information, just enter the link or scan the QR code and get direct access to technical data, CAD design models, operating instructions, software, application examples and much more.











Ordering information

Other models available at www.mysick.com/en/L41

Construction size	Connection type	Scanning range	Optical axis	Housing material	Sender		Receiver	
					Model name	Part no.	Model name	Part no.
M18, 107.7 mm	Plug M12 x 4, straight	0 m ... 5 m	Radial	Metal	L41S-11MA1A	6034868	L41E-11MA1A	6034869
M18, 97.7 mm	Plug M12 x 4, straight	0 m ... 10 m	Axial	Metal	L41S-21MA1A	6034866	L41E-21MA1A	6034867
				Plastic	L41S-21KA1A	6034864	L41E-21KA1A	6034865
M30, 100 mm	Plug M12 x 4, angled	0 m ... 60 m	Axial	Metal	L41S-33MA2A	6034863	L41E-33MA2A	6034862

Accessories

	Accessory category	Brief description	Connection type	Cable length	Model name	Part no.
	Safety relays	Contact expansion	Plug-in screw-type terminal	–	UE10-30S3D0	6024918
		Evaluation unit			UE401-A0010	6027343
		Flexi Classic main module			UE410-MU3T5	6026136
	Mounting brackets/plates	Mounting bracket, M30 thread	–	–	BEF-WN-M30	5308445
	Plug connectors and cables	Female connector, M12, 4-pin, straight, 5 m, PVC	Socket M12 x 4, straight	5 m	DOL-1204-G05M	6009866
		Connector	Socket M12 x 4, angled	5 m	DOL-1204-W05M	6009867
			Socket M12 x 4, straight	–	DOS-1204-G	6007302
			Socket M12 x 4, angled	–	DOS-1204-W	6007303



At a glance

- Type 2 (IEC 61496), PL c (EN ISO 13849), only in conjunction suitable testing device, e.g., Flexi Classic, DeviceNet Safety
- Small M18 sensors with ranges up to 10 m
- Compact M30 sensors with ranges up to 60 m
- Enclosure rating IP 67
- Temperature range from -40 °C ... +55 °C
- Metal and plastic version
- Radial optics (90° deflector mirror)
- Straightforward diagnostics and service

Your benefits

- Easy integration due to small, compact versions with maximum range
- Directly connect to a safety controller – without a separate evaluation unit, reducing costs
- Flexible device integration makes it possible to set up individual protective fields
- Well suited to withstand extreme ambient conditions such as heat, cold or moisture

→ www.mysick.com/en/L21

For more information, just enter the link or scan the QR code and get direct access to technical data, CAD design models, operating instructions, software, application examples and much more.











Ordering information

Other models available at www.mysick.com/en/L21

Construction size	Connection type	Scanning range	Optical axis	Housing material	Sender		Receiver	
					Model name	Part no.	Model name	Part no.
M18, 107.7 mm	Plug M12 x 4, straight	0 m ... 5 m	Radial	Metal	L21S-11MA1A	6034876	L21E-11MA1A	6034877
M18, 97.7 mm		0 m ... 16 m	Axial	Metal	L21S-21MA1A	6034874	L21E-21MA1A	6034875
				Plastic	L21S-21KA1A	6034872	L21E-21KA1A	6034873
M30, 100 mm	Plug M12 x 4, angled	0 m ... 60 m	Axial	Metal	L21S-33MA2A	6034870	L21E-33MA2A	6034871

Accessories

	Accessory category	Brief description	Connection type	Cable length	Model name	Part no.
	Safety relays	Contact expansion	Plug-in screw-type terminal	–	UE10-30S3D0	6024918
		Flexi Classic main module			UE410-MU3T5	6026136
	Mounting brackets/plates	Mounting bracket, M18 thread	–	–	BEF-WN-M18	5308446
		Mounting bracket, M30 thread	–	–	BEF-WN-M30	5308445
	Plug connectors and cables	Female connector, M12, 4-pin, straight, 5 m, PVC	Socket M12 x 4, straight	5 m	DOL-1204-G05M	6009866
		Connector	Socket M12 x 4, angled	5 m	DOL-1204-W05M	6009867
			Socket M12 x 4, straight	–	DOS-1204-G	6007302
			Socket M12 x 4, angled	–	DOS-1204-W	6007303

Three product groups for tried and tested, intelligent safety solutions



Safety switches

Safety switches are encountered at many locations where safety is demanded for people and machinery. They are used for protecting mobile separative protective devices, the position determination of



dangerous movements and the safe stop function. The portfolio is divided into three groups: Electro-mechanical and non-contact safety switches and safety command devices.

In conjunction with sens:Control – safe control solutions, SICK offers ideal complete solutions from a single source.



Safety switches

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Selection guide safety switches

	Electro-mechanical safety switches									Non-contact safety switches						Safety command devices		
	i12S	i16S	i17S	i110S	i10 Lock	i14 Lock	i200 Lock	i10P	i110R	RE11/ RE21/ RE31	RE13/ RE23	RE27	TR4 Direct	IN3000 Direct	IN4000 Direct	ES21	E100	i110RP
Recommended safety application																		
Interlocking of physical guards without locking	■	■	■	■						■	■	■	■					
Interlocking of physical guards with locking					■	■	■											
Safe position monitoring of machine parameters								■	■					■	■			
Emergency stop																■		■
Manual approval for safe maintenance and setup mode																	■	
Housing material																		
Plastic	■	■	■		■	■	■	■		■	■	■	■	■	■	■	■	
Metal				■					■					■	■			■
Enclosure rating																		
IP 65						■	■							■		■	■	
IP 66								■	■									■
IP 67	■	■	■	■	■					■	■	■		■	■		■	
IP 69K													■					
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At a glance

- Narrow plastic housing
 - Rigid and mobile actuators
 - 1 M16 x 1.5 cable entry gland
- Slow-action switching element with up to three contacts
 - IP 67 enclosure rating

Your benefits

- Cost-effective solution for all standard safety applications
 - Small design simplifies installation and makes it easy to mount directly on the guard door frame
- High reliability and safety due to the cone shaped metal alignment aid

www.mysick.com/en/i12S
For more information, just enter the link or scan the QR code and get direct access to technical data, CAD design models, operating instructions, software, application examples and much more.

Ordering information

Other models available at www.mysick.com/en/i12S

Number of positive action N/C contacts	Number of N/O contacts	Model name	Part no.
1	1	i12-SA113	6025057
2	0	i12-SA203	6025100
	1	i12-SB213	6025059

Accessories

	Accessory category	Design	Actuation option	Model name	Part no.
	Actuators	Angled	Rigid	iE12-A1	5311132
		Rigid	Semiflexible	iE12-F1	5308842
		Straight	Rubber-mounted	iE12-S1	5311131



At a glance

- Compact plastic housing
- Rigid and mobile actuators
- 3 M20 x 1.5 cable entry glands
- Slow-action switching elements with two contacts
- High retaining force
- IP 67 enclosure rating

Your benefits

- High availability and safety due to the cone shaped alignment aid
- High locking force offers machine reliability, even when exposed to shock and vibration
- Flexible electrical connectivity due to three cable entry glands

→ www.mysick.com/en/i16S

For more information, just enter the link or scan the QR code and get direct access to technical data, CAD design models, operating instructions, software, application examples and much more.



Ordering information

Other models available at www.mysick.com/en/i16S

Number of positive action N/C contacts	Number of N/O contacts	Model name	Part no.
1	1	i16-SA113	6025065
2	0	i16-SA203	6025063

Accessories

	Accessory category	Brief description	Design	Actuation option	Model name	Part no.
	Actuators	-	Rigid	Fully flexible	iE16-F1	5311129
				Semiflexible	iE16-F2	5311278
			Straight	Rigid	iE16-S1	5311128
		Catch and retainer kit	-	-	iE16-SCR	5310780






At a glance

- Compact plastic housing
 - Rigid or mobile actuators
 - 3 M20 x 1.5 cable entry glands
- Slow-action switching elements with three contacts
 - IP 67 enclosure rating

Your benefits

- High availability and safety due to the cone shaped alignment aid
 - Improved diagnostics due to additional signaling contacts
- Flexible electrical connectivity due to three cable entry glands
 - Simple electrical connection due to large terminal compartment

www.mysick.com/en/i17S
For more information, just enter the link or scan the QR code and get direct access to technical data, CAD design models, operating instructions, software, application examples and much more.




Ordering information

Other models available at www.mysick.com/en/i17S

Number of positive action N/C contacts	Number of N/O contacts	Model name	Part no.
2	1	i17-SA213	6025067

Accessories

	Accessory category	Brief description	Design	Actuation option	Model name	Part no.
	Actuators	-	Rigid	Fully flexible	iE16-F1	5311129
				Semiflexible	iE16-F2	5311278
		Catch and retainer kit	-	-	iE16-SCR	5310780
		Self ejecting against simple manipulation	Straight	Rigid	iE17-S1	5311130



At a glance

- Standardized metal housing
- Either rigid, fully mobile or bolt actuators available
- 1 M20 x 1.5 cable entry gland
- Slow-action switching elements with four contacts
- IP 67 enclosure rating

Your benefits

- Standard device design provides quick and easy mounting
- Rugged metal housing provides increased machine reliability, even when the guard has a mechanical offset
- High availability and safety due to the cone shaped alignment aid
- Improved diagnostics due to additional signaling contacts
- Bolt actuator offers personal protection in the hazardous area and prevents an undesirable restart of the machine

→ www.mysick.com/en/i110S

For more information, just enter the link or scan the QR code and get direct access to technical data, CAD design models, operating instructions, software, application examples and much more.






Ordering information

Other models available at www.mysick.com/en/i110S

Number of positive action N/C contacts	Number of N/O contacts	Model name	Part no.
2	2	i110-SA223	6025074
3	1	i110-SA313	6025073

Accessories

	Accessory category	Design	Actuation option	Model name	Part no.
	Actuators	Rigid	Fully flexible	iE200-F1	5308759
		Straight	Rigid	iE200-S1	5308758
		Bolt actuator straight	Rigid	iE200-B1	5308760





At a glance

- Narrow plastic housing
- Rigid or mobile actuators
- 3 M20 x 1.5 cable entry glands
- Locked by spring force and magnetic force
- Lock and door monitoring
- IP 67 enclosure rating

Your benefits

- Small design simplifies installation and makes it easy to mount directly on the guard door frame
- Flexible electrical connectivity due to three cable entry glands
- Improved diagnostics due to additional signaling contacts
- Practical, simple adjustment due to various actuators that are suitable for any door
- Different switching elements offer the appropriate solution for electrical installation

→ www.mysick.com/en/i10_Lock

For more information, just enter the link or scan the QR code and get direct access to technical data, CAD design models, operating instructions, software, application examples and much more.



Ordering information

Other models available at www.mysick.com/en/i10_Lock








- Locking type: electrical

Number of positive action N/C solenoid monitoring contacts	Number of N/O solenoid monitoring contacts	Number of positive action N/C door monitoring contacts	Number of N/O door monitoring contacts	Number of N/C door monitoring contacts	Connection type	Model name	Part no.
2	1	0	0	1	Cable gland	i10-E0233 Lock	6022585
	0	0	1	1	Cable gland	i10-E0253 Lock	6020536
		1	1	0	Cable gland	i10-E0313S02 Lock	6011368
		2	0	0	Cable gland	i10-E0453 Lock	6020598
					Connector	i10-E0454 Lock	6045056

- Locking type: mechanical

Number of positive action N/C solenoid monitoring contacts	Number of N/O solenoid monitoring contacts	Number of positive action N/C door monitoring contacts	Number of N/O door monitoring contacts	Number of N/C door monitoring contacts	Connection type	Model name	Part no.
2	1	0	0	1	Cable gland	i10-M0233 Lock	6022580
	0	0	1	1	Cable gland	i10-M0253 Lock	6027397
		2	0	0	Cable gland	i10-M0453 Lock	6029934
					Connector	i10-M0454 Lock	6045055

Accessories

	Accessory category	Brief description	Design	Actuation option	Model name	Part no.
	Actuators	–	Angled	Rigid	iE10-A1	5306535
		With overtravel	Angled	Rigid	iE10-A4	5308497
		Door hinged at top/ bottom	Rigid	Semiflexible	iE10-R1	5306528
		Door hinged on left/ right	Rigid	Semiflexible	iE10-R2	5306529
		–	Straight	Rigid	iE10-S1	5306527
				Rubber-mounted	iE10-S2	5306530
		With overtravel	Straight	Rigid	iE10-S4	5308383



At a glance

- Compact plastic housing
- 3 M20 x 1.5 cable entry glands
- Locked with spring force
- Lock monitoring
- LED locking indicator
- Mechanical unlocking mechanism on three sides

Your benefits

- Cost-effective solution for all standard safety applications
- LED status indicator offers improved diagnostics
- Flexible electrical connectivity due to three cable entry glands
- Easy access to wiring for installation and maintenance due to a hinged cover – access to the unlocking mechanism from three sides
- Small housing saves space and can be mounted in tight areas

→ www.mysick.com/en/i14_Lock

For more information, just enter the link or scan the QR code and get direct access to technical data, CAD design models, operating instructions, software, application examples and much more.



Ordering information

Other models available at www.mysick.com/en/i14_Lock

- Locking type: mechanical

Number of positive action N/C solenoid monitoring contacts	Number of N/O solenoid monitoring contacts	Number of positive action N/C door monitoring contacts	Number of N/O door monitoring contacts	Number of N/C door monitoring contacts	Connection type	Model name	Part no.
2	1	0	0	0	Cable gland	i14-M0213 Lock	6025060
3	0	0	0	0	Cable gland	i14-M0303 Lock	6025062

Accessories

	Accessory category	Brief description	Design	Actuation option	Model name	Part no.
	Actuators	Catch and retainer set for increased retaining force	Straight	Rigid	iE14-S1	5311133
	Locks and keys	Key	–	–	iE14-E01	5311282



At a glance

- Compact plastic housing
- Stainless steel entry for actuator
- Either rigid, mobile or bolt actuators available
- 3 M20 x 1.5 cable entry glands
- Locked by spring force and magnetic force
- Lock and door monitoring
- LED locking indicator

Your benefits

- High reliability due to rugged metal actuator head, even when the guard has a mechanical offset
- Flexible electrical connectivity due to three cable entry glands
- Improved diagnostics due to additional contacts for door monitoring and LED lock monitoring
- Different switching elements offer the appropriate solution for electrical installation
- Bolt actuator offers personal protection in the hazardous area and prevents an undesirable restart of the machine

→ www.mysick.com/en/i200_Lock

For more information, just enter the link or scan the QR code and get direct access to technical data, CAD design models, operating instructions, software, application examples and much more.






Ordering information

Other models available at www.mysick.com/en/i200_Lock

Locking type	Number of positive action N/C solenoid monitoring contacts	Number of N/O solenoid monitoring contacts	Number of positive action N/C door monitoring contacts	Number of N/O door monitoring contacts	Number of N/C door monitoring contacts	Connection type	Model name	Part no.
Electrical	1	1	2	1	0	Cable gland	i200-E0323 Lock	6026140
Mechanical	1	1	2	1	0	Cable gland	i200-M0323 Lock	6025113
	2	0	2	1	0	Cable gland	i200-M0413 Lock	6025115

Accessories

	Accessory category	Design	Actuation option	Model name	Part no.
	Actuators	Bolt actuator straight	Rigid	iE200-B1	5308760
		Rigid	Fully flexible	iE200-F1	5308759
		Straight	Rigid	iE200-S1	5308758



At a glance


- Standardized plastic housing
- Roller plunger with plastic roller
- 1 M20 x 1.5 cable entry gland
- Slow-action switching elements with three contacts

Your benefits

- Standard device design provides quick and easy mounting
- Cost-effective solution for all standard safety applications

→ www.mysick.com/en/i10P

For more information, just enter the link or scan the QR code and get direct access to technical data, CAD design models, operating instructions, software, application examples and much more.



Ordering information

Other models available at www.mysick.com/en/i10P

Number of positive action N/C contacts	Number of N/O contacts	Model name	Part no.
2	1	i10-PA213	6025088





At a glance

- Standardized metal housing
- Metal turning lever with plastic roller
- 1 M20 x 1.5 cable entry gland
- Slow-action or snap-action switching element with up to four contacts

Your benefits

- Standard device design provides quick and easy mounting
- High availability due to rugged metal housing
- Different switching elements offer the appropriate solution for electrical installation
- Improved diagnostics due to additional signaling contacts

→ www.mysick.com/en/i110R

For more information, just enter the link or scan the QR code and get direct access to technical data, CAD design models, operating instructions, software, application examples and much more.

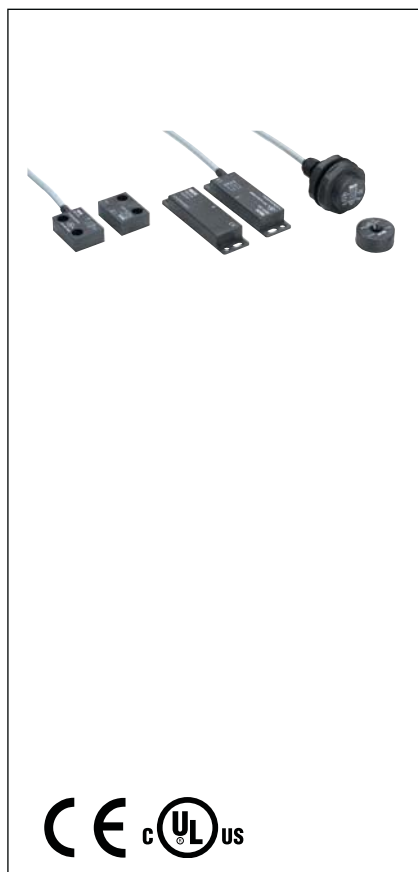


Ordering information

Other models available at www.mysick.com/en/i110R

Number of positive action N/C contacts	Number of N/O contacts	Model name	Part no.
1	1	i110-RA123	6025109
2	2	i110-RA223	6025108
3	1	i110-RA313	6025107





At a glance

- Response range of up to 6 mm
- 1 NO/1 NC contact
- Up to performance level PL e / Cat. 4 (EN ISO 13849)
- Direct connection to safe control solution possible
- Sensors with plug connector or connected cable

Your benefits

- Long service life due to durable and low-maintenance design
- Space-saving mounting due to compact housing design
- Just one safety switch in conjunction with a suitable safety module makes it possible to solve applications up to PL e and Cat. 4 (EN ISO 13849)
- High level of machine availability due to high tolerances for door misalignment
- Direct connection to the safe control solution eliminates any additional wiring and reduces installation time
- The devices are easy to clean, making them suitable for contaminated areas or environments with strict hygiene standards

→ www.mysick.com/en/RE11_RE21_RE31

For more information, just enter the link or scan the QR code and get direct access to technical data, CAD design models, operating instructions, software, application examples and much more.







Ordering information

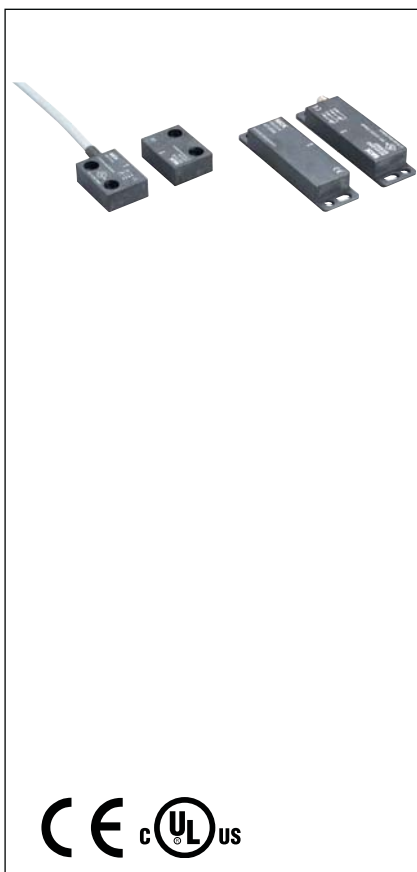
Other models available at www.mysick.com/en/RE11_RE21_RE31

- **System part:** sensor & actuator
- **Design:** rectangular

Connection type	Cable length	Safe switch on distance S_{ao}	Model name	Part no.
M8 plug connector, 4-pin	–	3 mm	RE11-DAC	6036766
Cable	3 m	3 mm	RE11-DA03	6034292
	5 m	3 mm	RE11-DA05	6035616
M8 plug connector, 4-pin	–	6 mm	RE21-DAC	6036767
Cable	3 m	6 mm	RE21-DA03	6034324
	5 m	6 mm	RE21-DA05	6035617

Accessories

	Accessory category	Brief description	Model name	Part no.
	Actuators	Replacement actuator for RE11-Dxxx	RE11-K	5320136
		Replacement actuator for RE21-Dxxx	RE21-K	5320137
	Other mounting accessories	Spacer for RE11 / RE13	RE10-SD	5322315
		Spacer for RE21 / RE23 / RE27	RE20-SD	5320067



At a glance

- Response range up to 7 mm for small design and, up to 9 mm for standard design
- 2 N/O contacts
- Up to performance level PL e / Cat. 4 (EN ISO 13849)
- Direct connection to safe control solution possible
- Sensors with plug connector or connected cable

Your benefits

- Long service life due to durable and low-maintenance design
- Space-saving mounting due to compact housing design
- Just one safety switch in conjunction with a suitable safety module makes it possible to solve applications up to PL e and Cat. 4 (EN ISO 13849)
- High level of machine availability due to high tolerances for door misalignment
- Direct connection to the safe control solution eliminates any additional wiring and reduces installation time
- The devices are easy to clean, making them suitable for contaminated areas or environments with strict hygiene standards

→ www.mysick.com/en/RE13_RE23

For more information, just enter the link or scan the QR code and get direct access to technical data, CAD design models, operating instructions, software, application examples and much more.







Ordering information

Other models available at www.mysick.com/en/RE13_RE23

- **System part:** sensor & actuator
- **Design:** rectangular

Connection type	Cable length	Safe switch on distance S_{BO}	Model name	Part no.
M8 plug connector, 4-pin	–	7 mm	RE13-DAC	6036769
Cable	3 m	7 mm	RE13-DA03	6034333
M8 plug connector, 4-pin	–	9 mm	RE23-DAC	6036927

Accessories

	Accessory category	Brief description	Model name	Part no.
	Actuators	Replacement actuator for RE13-Dxxx	RE13-K	5320139
		Replacement actuator for RE23-Dxxx	RE23-K	5313595
	Other mounting accessories	Spacer for RE11 / RE13	RE10-SD	5322315
		Spacer for RE21 / RE23 / RE27	RE20-SD	5320067



At a glance

- Response range of up to 9 mm
- 3 N/O contacts
- Up to performance level PL e / Cat. 4 (EN ISO 13849)
- Direct connection to safe control solution possible
- Sensors with plug connector or connected cable
- LED status indicator

Your benefits

- Long service life due to durable and low-maintenance design
- Just one safety switch in conjunction with a suitable safety module makes it possible to solve applications up to PL e and Cat. 4 (EN ISO 13849)
- High level of machine availability due to high tolerances for door misalignment
- Direct connection to the safe control solution eliminates any additional wiring and reduces installation time
- The devices are easy to clean, making them suitable for contaminated areas or environments with strict hygiene standards
- Fast diagnostics via LED status indicator

→ www.mysick.com/en/RE27

For more information, just enter the link or scan the QR code and get direct access to technical data, CAD design models, operating instructions, software, application examples and much more.




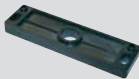
Ordering information

Other models available at www.mysick.com/en/RE27

- **System part:** sensor & actuator
- **Design:** rectangular
- **Safe switch on distance S_{ao} :** 9 mm

Connection type	Cable length	Model name	Part no.
Cable with plug, M12, 8-pin	0.3 m	RE27-DACL	6039760
Cable	5 m	RE27-DA05L	6034343
	10 m	RE27-DA10L	6035619
	20 m	RE27-DA20L	6035003

Accessories

	Accessory category	Brief description	Model name	Part no.
	Actuators	Replacement actuator for RE27-Dxxx	RE27-K	5320151
	Other mounting accessories	Spacer for RE21 / RE23 / RE27	RE20-SD	5320067



At a glance

- Response range of up to 25 mm
- Sensor and actuator up to enclosure rating IP 69K
- Multicoded and unique coded sensors
- Up to performance level PL e (EN ISO 13849)
- Two OSSD safety outputs for direct connection of sensors to a single safety controller
- Safe series connection of up to 30 sensors possible
- LED status indicator
- Boundary area indication and magnetic retaining force (both optional)

Your benefits

- High level of prevention against tampering due to individually coded actuator (depending on type)
- High level of machine availability due to high tolerances for door misalignment and boundary area indication
- High level of machine reliability due to resistance to shocks and vibrations
- Cascadability of up to 30 sensors saves costs
- Just one safety switch in conjunction with a suitable safety module makes it possible to solve applications up to PL e and Cat. 4 (EN ISO 13849)
- Long service life due to durable and low-maintenance design
- Fast diagnostics via LED status indicator
- The devices are easy to clean, making them suitable for contaminated areas or environments with strict hygiene standards

→ www.mysick.com/en/TR4_Direct

For more information, just enter the link or scan the QR code and get direct access to technical data, CAD design models, operating instructions, software, application examples and much more.



Ordering information

Other models available at www.mysick.com/en/TR4_Direct

- **Design:** cylindrical
- **System part:** sensor & actuator

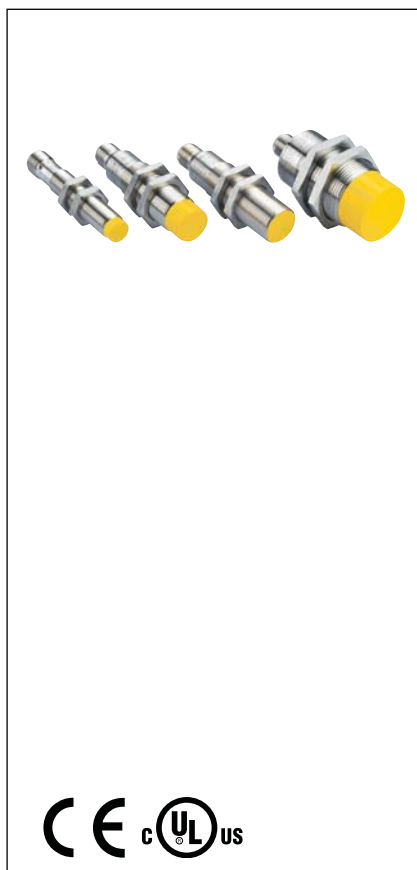
Housing diameter (sensor/actuator)	Safe switch on distance S_{ao}	Safe switch off distance S_{ar}	Coding	Connection type	Cable length	Model name	Part no.
M18 / M18	15 mm	25 mm	Multicoded	Cable with plug, M12, 8-pin	0.2 m	TR4-SAM01C	6034588
				Cable	3 m	TR4-SAM03P	6034586
			Unique coded	Cable with plug, M12, 8-pin	0.2 m	TR4-SAU01C	6022319
				Cable	3 m	TR4-SAU03P	6022317
M18 / M30	25 mm	35 mm	Multicoded	Cable with plug, M12, 8-pin	0.2 m	TR4-SBM01C	6035190
				Cable	3 m	TR4-SBM03P	6025090
			Unique coded	Cable with plug, M12, 8-pin	0.2 m	TR4-SBU01C	6044628
				Cable	3 m	TR4-SBU03P	6044626

- **Design:** rectangular
- **System part:** sensor & actuator
- **Dimensions:** 25 mm x 88 mm x 20 mm
- **Safe switch on distance S_{ao} :** 15 mm
- **Safe switch off distance S_{ar} :** 35 mm

Boundary area indication	Magnetic retaining force	Coding	Connection type	Cable length	Model name	Part no.
-	-	Multicoded	Cable with plug, M12, 8-pin	0.2 m	TR4-SDM01C	6044638
			Cable	3 m	TR4-SDM03P	6044636
		Unique coded	Cable with plug, M12, 8-pin	0.2 m	TR4-SDU01C	6044641
			Cable	3 m	TR4-SDU03P	6044639
✓	-	Multicoded	Cable with plug, M12, 8-pin	0.2 m	TR4-SEM01C	6044644
			Cable	3 m	TR4-SEM03P	6044642
		Unique coded	Cable with plug, M12, 8-pin	0.2 m	TR4-SEU01C	6044647
			Cable	3 m	TR4-SEU03P	6044645
	✓	Multicoded	Cable with plug, M12, 8-pin	0.2 m	TR4-SFM01C	6044650
			Cable	3 m	TR4-SFM03P	6044648
		Unique coded	Cable with plug, M12, 8-pin	0.2 m	TR4-SFU01C	6044653
			Cable	3 m	TR4-SFU03P	6044651

Accessories

	Accessory category	Brief description	Design	Model name	Part no.
	Actuators	Replacement actuator for TR4-SAMxxx	Cylindrical	TR4-RAM000	5321030
		Replacement actuator for TR4-SAUxxx	Cylindrical	TR4-RAU000	5321031
		Replacement actuator for TR4-SBMxxx	Cylindrical	TR4-RBM000	5321032
		Replacement actuator for TR4-SBUxxx	Cylindrical	TR4-RBU000	5321033
		Replacement actuator for TR4-SDMxxx	Rectangular	TR4-RDM000	5325631
		Replacement actuator for TR4-SDUxxx	Rectangular	TR4-RDU000	5325632
		Replacement actuator for TR4-SEMxxx and TR4-SFMxxx	Rectangular	TR4-RFM000	5325633
		Replacement actuator for TR4-SEUxxx and TR4-SFUxxx	Rectangular	TR4-RFU000	5325634



At a glance

- Direct connection to safe control solution possible
- Response range of up to 15 mm
- LED status indicator
- Up to performance level PL d (EN ISO 13849), SILCL2 (EN 62061), SIL2 (IEC 61508)
- Sensors with plug connector

Your benefits

- Cost-effective solution for applications up to PL d / SILCL2
- Space-saving mounting due to compact housing design
- Direct connection to the safe control solution eliminates any additional wiring and reduces installation time
- Fast diagnostics via LED status indicator
- Long service life due to durable and low-maintenance design
- The devices are easy to clean, making them suitable for contaminated areas or environments with strict hygiene standards

→ www.mysick.com/en/IN3000_Direct

For more information, just enter the link or scan the QR code and get direct access to technical data, CAD design models, operating instructions, software, application examples and much more.








Ordering information

Other models available at www.mysick.com/en/IN3000_Direct

- **System part:** sensor
- **Design:** cylindrical
- **Connection type:** connector

Housing diameter	Installation type	Model name	Part no.
M30	Non-flush	IN30-E0208K	6044655
M18	Non-flush	IN30-E0305K	6034576
	Flush	IN30-E0306K	6034581
M12	Non-flush	IN30-E0407K	6034582

Accessories

	Accessory category	Brief description	Model name	Part no.
	Mounting brackets/plates	Mounting bracket, M12 thread	BEF-WN-M12	5308447
		Mounting bracket, M18 thread	BEF-WN-M18	5308446
		Mounting bracket, M30 thread	BEF-WN-M30	5308445
	Terminal and alignment brackets	Clamping block for round sensors M12, without fixed stop	BEF-KH-M12	2051479
		Clamping block for round sensors M18, without fixed stop	BEF-KH-M18	2051481




At a glance

- Two OSSD safety outputs for direct connection of sensors to a single safety controller
- Response range of up to 15 mm
- LED status indicator
- Up to performance level PL e / Cat. 4 (EN ISO 13849)
- Sensors with plug connector

Your benefits

- Direct connection to the safe control solution eliminates any additional wiring and reduces installation time
- Fast diagnostics via LED status indicator
- Long service life due to durable and low-maintenance design
- Just one safety switch in conjunction with a suitable safety module makes it possible to solve applications up to PL e and Cat. 4 (EN ISO 13849)
- The devices are easy to clean, making them suitable for contaminated areas or environments with strict hygiene standards

[→ www.mysick.com/en/IN4000_Direct](http://www.mysick.com/en/IN4000_Direct)
For more information, just enter the link or scan the QR code and get direct access to technical data, CAD design models, operating instructions, software, application examples and much more.



Ordering information

Other models available at www.mysick.com/en/IN4000_Direct

System part	Design	Installation type	Connection type	Model name	Part no.
Sensor	Rectangular	Non-flush	Connector	IN40-E0101K	6027388



At a glance

- Either as surface-mounted version with housing or as built-in version (Ø 22 mm)
- Built-in version for machine control panels with self-monitoring contacts between the pushbutton and switching element
- Surface-mounted version for direct mounting on different machines and systems
- Rotational or key unlocking
- Variants with LED ring lighting
- Available with protective collar to prevent inadvertent actuation

Your benefits

- Increased safety due to self-monitoring contacts
- Reduction in accidental faults due to variants with a protective collar
- User-friendly status indicator identified by a colored mark or LED ring around the pushbutton simplifies diagnostics
- Successful down to the last detail: award-winning and appealing design

→ www.mysick.com/en/ES21

For more information, just enter the link or scan the QR code and get direct access to technical data, CAD design models, operating instructions, software, application examples and much more.



Ordering information

Other models available at www.mysick.com/en/ES21

- **System part:** complete devices
- **Obstruction protection:** ✓
- **Release type:** rotary release

Mounting version	Number of positive action N/C contacts	Number of N/O contacts	Contact module for panel mount version	Illumination	Model name	Part no.
Surface mount version	1	0	–	–	ES21-SA10C1	6036145
		1	–	–	ES21-SA10D1	6036146
	2	0	–	–	ES21-SA10E1	6036147
		1	–	–	ES21-SA10F1	6036148
				✓	ES21-SA11H1	6036751
Panel mount version	2	1	✓	–	ES21-SB10G1	6036492





At a glance

- Rope lengths up to 30 m, with rope break and rope pull function
 - Metal housing with integrated rotary unlocking lever and fault display
 - 1 M20 x 1.5 cable entry glands
- Slow-action switching elements with four contacts
 - Complies to the standards EN ISO 13850 and IEC/EN 60947-5-5

Your benefits

- The emergency stop function can be triggered at any point along the rope
 - Simple adjustment of the rope tension
 - Rugged metal housing offers a high level of protection for the rope pull switch
- User-friendly systems available with many rope lengths
 - Additional contacts provide quick and easy diagnostics

→ www.mysick.com/en/i110RP

For more information, just enter the link or scan the QR code and get direct access to technical data, CAD design models, operating instructions, software, application examples and much more.





Ordering information

Other models available at www.mysick.com/en/i110RP

Number of positive action N/C contacts	Number of N/O contacts	Model name	Part no.
2	2	i110-RP223	6025077
3	1	i110-RP313	6025076

Accessories

	Accessory category	Brief description	Model name	Part no.
	Ropes and rope accessories	Rope accessory set, rope length 5 m	iE110-P05	5311136
		Rope accessory set, rope length 10 m	iE110-P10	5311137
		Rope accessory set, rope length 20 m	iE110-P20	5311138
		Rope accessory set, rope length 30 m	iE110-P30	5311139
		Corner pulley inside	iE110-PCPI	5325887
		Corner pulley outside	iE110-PCPO	5325888

	Accessory category	Brief description	Model name	Part no.
	Ropes and rope accessories	Rope, length 100 m	iE110-PL100	5310814
		Rope, length 30 m	iE110-PL30	5310813
		Rope grippers	iE110-PRG	5314230
		Tensioner	iE110-PTR	5309034



At a glance

- Plastic housing with connected cable
- 3-stage functional structure (off-on-off)
- Slow-action switching elements with four contacts
- Variant with additional plus/minus buttons
- Complies to the standard IEC/EN 60947-5-8

Your benefits

- Personal protection with enabling switches: increased safety in setup mode when protective devices are deactivated
- Plus/minus buttons for additional control of direction of movement
- Different cable lengths available to meet customer application requirements

→ www.mysick.com/en/E100

For more information, just enter the link or scan the QR code and get direct access to technical data, CAD design models, operating instructions, software, application examples and much more.



Ordering information

Other models available at www.mysick.com/en/E100

- Number of positive action N/C contacts: 2
- Number of N/O contacts: 2
- Type of connection cable: straight

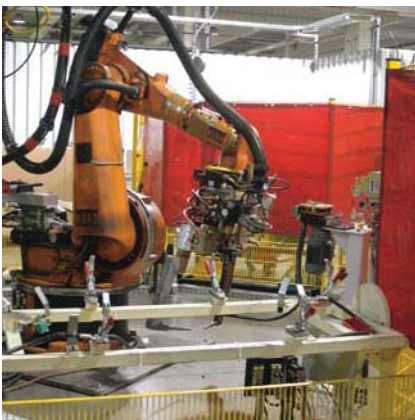
Cable length	Plus/minus buttons	Model name	Part no.
5 m	–	E100-A2A22S05A	6012141
10 m	–	E100-A2A22S10A	6021916
5 m	✓	E100-B2A22S05A	6022879
10 m	✓	E100-B2A22S10A	6022880
25 m	✓	E100-B2A22S25A	6033234

Accessories

	Accessory category	Brief description	Model name	Part no.
	Terminal and alignment brackets	Bracket for E100	Bracket	5308209



Safe control solutions for intelligent machine designs



sens:Control – safe control solutions

Intelligent machine design focuses on increasing productivity on one hand, but also offering the highest level of quality and safety. sens:Control – safe control solutions embody this principle. The

product portfolio includes safety relays, safety controllers and network solutions and is characterized by easy commissioning, modularity and an optimal integration into the automation process.

The goal of sens:Control is to optimize interaction between people and machinery.



sens:Control – safe control solutions

Selection guide sens:Control – safe control solutions. 410



UE10-2FG 412
The ideal solution to integrate relay outputs



UE10-30S 413
The universal output expansion module



UE23-3MF 414
Connection solution for safety switches and emergency stop pushbuttons



UE43-3MF 415
Complete monitoring of safety switches and emergency stop pushbuttons



UE48-20S 416
Safety relay for all common safety applications



UE48-30S 417
Safety relay with 3 safety outputs for all common safety applications



UE11-4DX 418
Time-delayed contact expansion for all safety relays



Flexi Classic 419
Efficient and easy-to-use safety controller



Flexi Soft. 421
Software programmable safety controller



Motion Control 423
Increased productivity with safe monitoring

Selection guide sens:Control – safe control solutions

	Safety relays							Safety controllers		
	UE10-2FG	UE10-30S	UE23-3MF	UE43-3MF	UE48-20S	UE48-30S	UE11-4DX	Flexi Classic	Flexi Soft	Motion Control
Application										
Modular system								■	■	
Simple logic	■	■	■	■	■	■	■			
Medium logic								■		
Complex logic									■	
Safe device communication via EFI									■	
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Selection guide safety relays

	UE10-2FG	UE10-30S	UE23-3MF	UE43-3MF	UE48-20S	UE48-30S	UE11-4DX
Application							
Safety command devices			■	■	■	■	
Safety switches			■	■	■	■	
Pressure sensitive mats in 4 wire technology					■	■	
Opto-electronic protective devices	■	■			■	■	
Contact expansion							■
Functions							
Manual reset (monitored)			■	■	■	■	
Automatic reset	■	■	■	■	■	■	
External device monitoring (EDM)			■	■	■	■	
Path for external device monitoring	■	■					■
Number of enable current paths							
2	■				■		
3		■	■	■		■	
4							■
Number of signalling current paths							
0	■					■	
1		■	■	■	■		
2							■
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Selection guide safety controllers

	Flexi Classic	Flexi Soft	Motion Control
Application			
Safety command devices	■	■	
Safety switches	■	■	
Pressure sensitive mats in 4 wire technology		■	
Opto-electronic protective devices	■	■	
Motion control		■	■
Functions			
Can be configured using a screwdriver	■		■
Software based		■	
Safe device communication via EFI		■	
Linking of stations via EFI		■	
External device monitoring (EDM)	■	■	■
Logic			
Simple logic	■		
Medium logic	■		
Complex logic		■	
Page	419	421	423



At a glance

- Ideal for applications with opto-electronic protective devices and safety controllers with OSSD outputs
 - Fast response time of 10 ms
 - Compact design
 - 2 contact outputs
- Feedback path for external device monitoring (EDM)
 - Screw-type terminals or plug-in screw-type terminals
 - Coded plugs for all slots

Your benefits

- Faster response times provide short safety distances
 - Saves space in the control cabinet thanks to its compact design
- Reduced wiring effort for fast and easy system commissioning

→ www.mysick.com/en/UE10-2FG

For more information, just enter the link or scan the QR code and get direct access to technical data, CAD design models, operating instructions, software, application examples and much more.

Ordering information

Other models available at www.mysick.com/en/UE10-2FG

Connection type	Model name	Part no.
Screw-type terminals	UE10-2FG2D0	1043915
Plug-in screw type terminal	UE10-2FG3D0	1043916



At a glance

- Ideal for applications with opto-electronic protective devices and safety controllers with OSSD outputs
- Output expansion for a safe processing of OSSD output signals
- 3 safety outputs, 1 application diagnostic output
- Feedback path for external device monitoring (EDM)
- Coded plugs for all slots

Your benefits

- Offers all needed contact paths in a compact form
- Fast diagnostics via status information reduces downtime
- Fast, tool-free exchange via coded, plug-in screw-type terminals
- Combines the advantages of classic relays and easy circuitry

→ www.mysick.com/en/UE10-30S

For more information, just enter the link or scan the QR code and get direct access to technical data, CAD design models, operating instructions, software, application examples and much more.



Ordering information

Other models available at www.mysick.com/en/UE10-30S

Connection type	Model name	Part no.
Screw-type terminals	UE10-30S2DO	6024917
Plug-in screw type terminal	UE10-30S3DO	6024918



At a glance

- Ideal for the connection of emergency stop pushbuttons and safety switches
 - 3 safety outputs, 1 application diagnostic output
- Manual or automatic reset
 - External device monitoring (EDM)
 - Coded plugs for all slots

Your benefits

- Saves space in the control cabinet thanks to its compact design
 - Saves costs thanks to its application-oriented construction
 - Fast diagnostics via status information reduces downtime
- Fast, tool-free exchange via coded, plug-in screw-type terminals
 - Combines the advantages of classic relays and easy circuitry

→ www.mysick.com/en/UE23-3MF

For more information, just enter the link or scan the QR code and get direct access to technical data, CAD design models, operating instructions, software, application examples and much more.

Ordering information

Other models available at www.mysick.com/en/UE23-3MF

Supply voltage	Model name	Part no.
24 V DC	UE23-3MF2D2	6034595
230 V AC	UE23-3MF2A3	6034597



At a glance

- Evaluation unit for emergency stop pushbuttons and safety switches
- Cross circuit detection and sequence monitoring for dual-channel actuation
- Supports discrepancy monitoring
- 3 safety outputs, 1 application diagnostic output
- Manual or automatic reset
- External device monitoring (EDM)

Your benefits

- Complete monitoring and evaluation of sensors
- Offers all needed contact paths in a compact form
- Fast diagnostics via status information reduces downtime
- Fast, tool-free exchange via coded, plug-in screw-type terminals
- Combines the advantages of classic relays and easy circuitry

→ www.mysick.com/en/UE43-3MF

For more information, just enter the link or scan the QR code and get direct access to technical data, CAD design models, operating instructions, software, application examples and much more.



Ordering information

Other models available at www.mysick.com/en/UE43-3MF

Supply voltage	Model name	Part no.
24 V AC	UE43-3MF2A0	6024898
115 V AC	UE43-3MF2A1	6024899
120 V AC	UE43-3MF2A2	6024900
230 V AC	UE43-3MF2A3	6024901
24 V DC	UE43-3MF2D3	6024897



At a glance

- Ideal for the evaluation of emergency stop pushbuttons, safety switches, safety light curtains, safety laser scanners and safety pressure sensitive mats
- Cross circuit detection and sequence monitoring for dual-channel actuation
- 2 safety outputs, 1 application diagnostic output
- Manual or automatic reset
- External device monitoring (EDM)
- Coded plugs for all slots

Your benefits

- One module for all common applications simplifies machine integration
- Complete monitoring and evaluation of sensors
- The sequence monitoring takes over the evaluation of non-contact safety switches
- Fast diagnostics via status information reduces downtime
- Fast, tool-free exchange via coded, plug-in screw-type terminals
- Combines the advantages of classic relays and easy circuitry

www.mysick.com/en/UE48-20S

For more information, just enter the link or scan the QR code and get direct access to technical data, CAD design models, operating instructions, software, application examples and much more.

Ordering information

Other models available at www.mysick.com/en/UE48-20S

Connection type	Model name	Part no.
Screw-type terminals	UE48-20S2D2	6024915
Plug-in screw type terminal	UE48-20S3D2	6024916



At a glance

- Ideal for the evaluation of emergency stop pushbuttons, safety switches, safety light curtains, safety laser scanners and safety pressure sensitive mats
- Cross circuit detection and sequence monitoring for dual-channel actuation
- 3 safety outputs
- Manual or automatic reset
- External device monitoring (EDM)
- Coded plugs for all slots

Your benefits

- One module for all common applications simplifies machine integration
- Complete monitoring and evaluation of sensors
- The sequence monitoring takes over the evaluation of non-contact safety switches
- Fast, tool-free exchange via coded, plug-in screw-type terminals
- Combines the advantages of classic relays and easy circuitry

→ www.mysick.com/en/UE48-30S

For more information, just enter the link or scan the QR code and get direct access to technical data, CAD design models, operating instructions, software, application examples and much more.



Ordering information

Other models available at www.mysick.com/en/UE48-30S

Connection type	Model name	Part no.
Screw-type terminals	UE48-30S2D2	6025089
Plug-in screw type terminal	UE48-30S3D2	6025097



At a glance

- Contact expansions enable four additional safety outputs for evaluation units in the safety relays product family group
- Pre-set time delay
- Feedback path for external device monitoring (EDM)
- Coded plugs for all slots

Your benefits

- Offers all needed contact paths in a compact form
- Time delay for optimal protection of brake applications
- Fast diagnostics via status information reduces downtime
- Fast, tool-free exchange via coded, plug-in screw-type terminals
- Combines the advantages of classic relays and easy circuitry

www.mysick.com/en/UE11-4DX

For more information, just enter the link or scan the QR code and get direct access to technical data, CAD design models, operating instructions, software, application examples and much more.

Ordering information

Other models available at www.mysick.com/en/UE11-4DX

Connection type	Off-delay time	Model name	Part no.
Plug-in screw type terminal	0.5 s	UE11-4DX3D30.5	6024925
	1 s	UE11-4DX3D31	6024926
	2 s	UE11-4DX3D32	6024927
	3 s	UE11-4DX3D33	6024928



At a glance

- Rotary DIP switch for easy adjustment
- Modularly expandable
- Direct wiring for all types of sensors
- Logic functions (AND/ OR/ Muting/ Bypass/ Reset/ EDM)
- Integration into all common networks (PROFIBUS-DP, DeviceNet, CANopen, Modbus TCP, Ethernet (TCP/IP), EtherNet/IP and PROFINET IO)

Your benefits

- Optimal scalability prevents extra inputs and outputs, reducing unnecessary hardware
- Configuration via rotary DIP switch reduces wiring and simplifies logic configuration
- The Flexi Classic Configurator tool offers easy logic configuration and wiring help
- Complete diagnostics of the system reduces downtime
- Its compact design makes it possible to save space in the control cabinet

→ www.mysick.com/en/Flexi_Classic

For more information, just enter the link or scan the QR code and get direct access to technical data, CAD design models, operating instructions, software, application examples and much more.



Ordering information

Other models available at www.mysick.com/en/Flexi_Classic

Flexi Classic main modules

Connection type	Delay time (outputs Q3/Q4)	Muting	Model name	Part no.
Plug-in spring terminals	–	–	UE410-MU4T0	6035243
	0 s ... 5 s	–	UE410-MU4T5	6032669
	0 s ... 50 s	–	UE410-MU4T50	6032670
	0 s ... 300 s	–	UE410-MU4T300	6032671
	–	✓	UE410-MM4	6034645

Flexi Classic expansion modules

Connection type	Delay time (outputs Q3/Q4)	Muting	Model name	Part no.
Plug-in spring terminals	–	–	UE410-XU4T0	6035245
	0 s ... 5 s	–	UE410-XU4T5	6032672
	0 s ... 50 s	–	UE410-XU4T50	6032673
	0 s ... 300 s	–	UE410-XU4T300	6032674
	–	✓	UE410-XM4	6034646
	–	–	UE410-8DI4	6032675
	–	✓	UE410-MDI4	6034647


Relay expansion modules

Connection type	Number of N/O contacts	Number of application diagnostic outputs	Model name	Part no.
Plug-in spring terminals	2	1	UE410-2R04	6032677
	4	2	UE410-4R04	6032676

Flexi Classic gateways

Fieldbus	Model name	Part no.
PROFIBUS-DP	UE410-PRO4	6032678
DeviceNet	UE410-DEV4	6032679
CANopen®	UE410-CAN4	6033112
Ethernet (TCP/IP), EtherNet/IP	UE410-EN1	1042964
Ethernet (TCP/IP), Modbus TCP	UE410-EN3	1042193
PROFINET IO	UE410-EN4	1044078

Accessories

	Accessory category	Brief description	Model name	Part no.
	Muting accessories	Muting lamp, 2 m, incl. mounting kit	Indicator lamp	2019909



At a glance

- Modularly expandable (12 ... 144 inputs/outputs)
- Intuitive configuration software: easy operation, simulation mode, wiring diagrams, freely downloadable
- Configuration memory in the system plug
- Safely link up to four Flexi Soft safety controllers via EFI
- Integration into all common fieldbus systems
- Enhanced sensor functionalities via EFI interface
- 48 TÜV certified function blocks

Your benefits

- Prevention of redundant inputs and outputs saves money
- Fast commissioning via a system plug that saves and stores system configurations
- Less downtimes due to gateways, e.g., PROFINET IO, PROFIBUS-DP, EtherCAT, CANopen, Modbus TCP, Ethernet (TCP/IP)
- Safe communication without additional hardware saves time, space and money
- Fast electronic installation via complete wiring diagram
- Simulation mode allows a user to verify the safety functions before installation
- Fast hardware selection by drag and drop from a list of simple to understand element icons

→ www.mysick.com/en/Flexi_Soft

For more information, just enter the link or scan the QR code and get direct access to technical data, CAD design models, operating instructions, software, application examples and much more.



Ordering information

Other models available at www.mysick.com/en/Flexi_Soft

Flexi Soft main modules

Number of EFI interfaces	Model name	Part no.
–	FX3-CPU000000 ¹⁾	1043783
2	FX3-CPU130002 ¹⁾	1043784

¹⁾ The system plug has to be ordered separately!

Flexi Soft expansion modules

Connection type	Number of inputs	Number of outputs	Model name	Part no.
Plug-in spring terminals	8 single channel	4	FX3-XTI084002	1044125
		–	FX3-XTDI80002	1044124






Flexi Soft gateways

Fieldbus	Model name	Part no.
EtherCAT	FX0-GETC000000	1051432
PROFIBUS-DP	FX0-GPRO000000	1044075
CANopen	FX0-GCAN000000	1044076
Modbus TCP	FX0-GMOD000000	1044073
EtherNet/IP	FX0-GENT000000	1044072
PROFINET IO	FX0-GPNT000000	1044074

Relay expansion modules

Connection type	Number of N/O contacts	Number of application diagnostic outputs	Model name	Part no.
Plug-in spring terminals	2	1	UE410-2R04	6032677
	4	2	UE410-4R04	6032676

Accessories

	Accessory category	Brief description	Connection type	Cable length	Model name	Part no.
	System plug	Integrated configuration memory	Screw terminals	–	FX3-MPL000001	1043700
 Illustration may differ	Adapters / distributors	Converter RS-232 to USB (if no RS-232 interface is available with the PC)	Connector RS-232, USB	–	Converter RS-232 to USB	6035396
	Configuration connection cable	For connecting the configuration connection to the serial interface on the PC	M8 x 4, SUB-D 9-pin	2 m	DSL-8D04G02M025KM1	6021195
		For connecting the configuration connection to the USB interface on the PC	M8 x 4, USB-A	2 m	DSL-8U04G02M025KM1	6034574
	Plug connectors and cables	Fitting for EFI connections	–	By the meter	EFI connection cable	6029448



At a glance

- Zero-speed and drive monitoring
- Variants with standstill monitoring by means of residual voltage measurement
- Clear diagnostics via the output LEDs without a software tool
- Function support via SICK's already known configuration tools
- PL e (EN ISO 13849), SIL3 (IEC 61508), SILCL 3 (EN 62061)
- Variants with a maximum input frequency of 2 kHz
- Adjustable monitoring limit/monitoring frequency from 0.1 to 9.9 Hz or 0.5 to 99 Hz
- Variants with a maximum motor supply voltage 690 V

Your benefits

- High machine availability
- Increase productivity via safe monitoring
- Easy commissioning - using only a screwdriver - reduces installation time
- Easy to retrofit
- Additional HTL encoder evaluation possible
- Cascading of units is possible

→ www.mysick.com/en/Motion_Control

For more information, just enter the link or scan the QR code and get direct access to technical data, CAD design models, operating instructions, software, application examples and much more.



Ordering information

Other models available at www.mysick.com/en/Motion_Control

Speed Monitor MOC3SA

Configurable speed limit	Connection type	Model name	Part no.
0.1 Hz ... 9.9 Hz	Plug-in screw type terminal	MOC3SA-AAB43D31	6034245
	Plug-in spring terminals	MOC3SA-AAB44D31	6034246
0.5 Hz ... 99 Hz	Plug-in screw type terminal	MOC3SA-BAB43D31	6034247
	Plug-in spring terminals	MOC3SA-BAB44D31	6034248

Standstill Monitor MOC3ZA

Connection type	Supply voltage	Model name	Part no.
Plug-in screw type terminal	230 V AC	MOC3ZA-KAZ33A3	6044982
	400 V AC	MOC3ZA-KAZ33A6	6044983
	24 V DC	MOC3ZA-KAZ33D3	6044981
Plug-in spring terminals	230 V AC	MOC3ZA-KAZ34A3	6047865
	400 V AC	MOC3ZA-KAZ34A6	6047864
	24 V DC	MOC3ZA-KAZ34D3	6047866

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