



Protective housing

SICK
Sensor Intelligence.



Product description

The rugged protective housings from SICK offer good protection against harsh ambient conditions and mechanical stress.

Ordering information

Other models and accessories → www.sick.com/Protective_housing

Description	Material	Items supplied	Suitable for	Type	Part no.
-	-	Protection hood, bracket, electric actuator, mounting instructions, operating instructions available for download at www.sick.com	Outdoor use for protecting the outdoorScan3 and microScan3. Applications intended to protect the sensor system when not in use.	Electrical protective hood for outdoorScan3 / microScan3	2116001
	Steel, zinc diecast	Including mounting material for sensor and protective housing	W16, W26, RAY26	BEF-SG-W1626	2123991
2 FlexFix brackets required per column device. You need two column devices to mount the sender and receiver. See mounting instructions (8022834).	Aluminum	-	Column device COD for light grid MLG-2	COD-1500S1A1	2094149
				COD-2000S1A1	2101607
				COD-2400S1A1	2094150
Can be opened upward without tools. Conductor for connections on the back. Due to space constraints, connecting cables with 90° angled, pre-assembled male connectors/female connectors are required.	-	Weatherproof housing (BEFAH-DX1000, tube for weatherproof housing and rain cover for protective housing are not included with delivery)	-	Weatherproof housing	2087690
Coaxial probe for LFP with process connection G 3/4, process connection of coax-	-	-	-	LFPCT-0900N1	2068172

Description	Material	Items supplied	Suitable for	Type	Part no.
ial tube 3/4" NPT, material 1.4571/316TI, for probe length 900 mm					
Coaxial probe for LFP with process connection G 3/4, process connection of coaxial tube G 3/4, material 1.4571/316TI, for probe length 900 mm	-	-	-	LFPCT-0900G1	2067507
Coaxial tube for LFP with process connection G 3/4, process connection of coax probe G 3/4, material 1.4571/316TI, for probe length 1900 mm	-	-	-	LFPCT-1900G1	2068156
Coaxial tube for LFP with process connection G 3/4, process connection of coax probe G 3/4, material 1.4571/316TI, for probe length 800 mm	-	-	-	LFPCT-0800G1	2068147
Coaxial tube for LFP with process connection G 3/4, process connection of coaxial tube 3/4" NPT, material 1.4571/316TI, for probe length 1000 mm	-	-	-	LFPCT-1000N1	2068173
Coaxial tube for LFP with process connection G 3/4, process connection of coaxial tube 3/4" NPT, material 1.4571/316TI, for probe length 1100 mm	-	-	-	LFPCT-1100N1	2068174
Coaxial tube for LFP with	-	-	-	LFPCT-1200N1	2068175

Description	Material	Items supplied	Suitable for	Type	Part no.
process connection G 3/4, process connection of coaxial tube 3/4" NPT, material 1.4571/316TI, for probe length 1200 mm					
Coaxial tube for LFP with process connection G 3/4, process connection of coaxial tube 3/4" NPT, material 1.4571/316TI, for probe length 1300 mm	-	-	-	LFPCT-1300N1	2068176
Coaxial tube for LFP with process connection G 3/4, process connection of coaxial tube 3/4" NPT, material 1.4571/316TI, for probe length 1400 mm	-	-	-	LFPCT-1400N1	2068177
Coaxial tube for LFP with process connection G 3/4, process connection of coaxial tube 3/4" NPT, material 1.4571/316TI, for probe length 1500 mm	-	-	-	LFPCT-1500N1	2068178
Coaxial tube for LFP with process connection G 3/4, process connection of coaxial tube 3/4" NPT, material 1.4571/316TI, for probe length 1600 mm	-	-	-	LFPCT-1600N1	2068179
Coaxial tube for LFP with process connection G 3/4, process connection of coaxial tube 3/4" NPT, material 1.4571/316TI,	-	-	-	LFPCT-1700N1	2068180

Description	Material	Items supplied	Suitable for	Type	Part no.
for probe length 1700 mm					
Coaxial tube for LFP with process connection G 3/4, process connection of coaxial tube 3/4" NPT, material 1.4571/316TI, for probe length 1800 mm	-	-	-	LFPCT-1800N1	2068181
Coaxial tube for LFP with process connection G 3/4, process connection of coaxial tube 3/4" NPT, material 1.4571/316TI, for probe length 1900 mm	-	-	-	LFPCT-1900N1	2068182
Coaxial tube for LFP with process connection G 3/4, process connection of coaxial tube 3/4" NPT, material 1.4571/316TI, for probe length 200 mm	-	-	-	LFPCT-0200N1	2068165
Coaxial tube for LFP with process connection G 3/4, process connection of coaxial tube 3/4" NPT, material 1.4571/316TI, for probe length 2000 mm	-	-	-	LFPCT-2000N1	2068183
Coaxial tube for LFP with process connection G 3/4, process connection of coaxial tube 3/4" NPT, material 1.4571/316TI, for probe length 300 mm	-	-	-	LFPCT-0300N1	2068166
Coaxial tube for LFP with process connection G 3/4, process con-	-	-	-	LFPCT-0400N1	2068167

Description	Material	Items supplied	Suitable for	Type	Part no.
nection of coaxial tube 3/4" NPT, material 1.4571/316TI, for probe length 400 mm					
Coaxial tube for LFP with process connection G 3/4, process connection of coaxial tube 3/4" NPT, material 1.4571/316TI, for probe length 500 mm	-	-	-	LFPCT-0500N1	2068168
Coaxial tube for LFP with process connection G 3/4, process connection of coaxial tube 3/4" NPT, material 1.4571/316TI, for probe length 600 mm	-	-	-	LFPCT-0600N1	2068169
Coaxial tube for LFP with process connection G 3/4, process connection of coaxial tube 3/4" NPT, material 1.4571/316TI, for probe length 700 mm	-	-	-	LFPCT-0700N1	2068170
Coaxial tube for LFP with process connection G 3/4, process connection of coaxial tube 3/4" NPT, material 1.4571/316TI, for probe length 800 mm	-	-	-	LFPCT-0800N1	2068171
Coaxial tube for LFP with process connection G 3/4, process connection of coaxial tube G 3/4, material 1.4571/316TI, for probe length 1000 mm	-	-	-	LFPCT-1000G1	2065702

Description	Material	Items supplied	Suitable for	Type	Part no.
Coaxial tube for LFP with process connection G 3/4, process connection of coaxial tube G 3/4, material 1.4571/316TI, for probe length 1100 mm	-	-	-	LFPCT-1100G1	2068148
Coaxial tube for LFP with process connection G 3/4, process connection of coaxial tube G 3/4, material 1.4571/316TI, for probe length 1200 mm	-	-	-	LFPCT-1200G1	2068149
Coaxial tube for LFP with process connection G 3/4, process connection of coaxial tube G 3/4, material 1.4571/316TI, for probe length 1270 mm	-	-	-	LFPCT-1270G1	2142066
Coaxial tube for LFP with process connection G 3/4, process connection of coaxial tube G 3/4, material 1.4571/316TI, for probe length 1300 mm	-	-	-	LFPCT-1300G1	2068150
Coaxial tube for LFP with process connection G 3/4, process connection of coaxial tube G 3/4, material 1.4571/316TI, for probe length 1400 mm	-	-	-	LFPCT-1400G1	2068151
Coaxial tube for LFP with process connection G 3/4, process connection of coaxial tube G 3/4, material	-	-	-	LFPCT-1500G1	2068152

Protective housing

Description	Material	Items supplied	Suitable for	Type	Part no.
1.4571/316TI, for probe length 1500 mm					
Coaxial tube for LFP with process connection G 3/4, process connection of coaxial tube G 3/4, material 1.4571/316TI, for probe length 1600 mm	-	-	-	LFPCT-1600G1	2068153
Coaxial tube for LFP with process connection G 3/4, process connection of coaxial tube G 3/4, material 1.4571/316TI, for probe length 1700 mm	-	-	-	LFPCT-1700G1	2068154
Coaxial tube for LFP with process connection G 3/4, process connection of coaxial tube G 3/4, material 1.4571/316TI, for probe length 1800 mm	-	-	-	LFPCT-1800G1	2068155
Coaxial tube for LFP with process connection G 3/4, process connection of coaxial tube G 3/4, material 1.4571/316TI, for probe length 2000 mm	-	-	-	LFPCT-2000G1	2065703
Coaxial tube for LFP with process connection G 3/4, process connection of coaxial tube G 3/4, material 1.4571/316TI, for probe length 300 mm	-	-	-	LFPCT-0300G1	2068142
Coaxial tube for LFP with process connection G 3/4,	-	-	-	LFPCT-0400G1	2068143

Description	Material	Items supplied	Suitable for	Type	Part no.
process connection of coaxial tube G 3/4, material 1.4571/316TI, for probe length 400 mm					
Coaxial tube for LFP with process connection G 3/4, process connection of coaxial tube G 3/4, material 1.4571/316TI, for probe length 450 mm	-	-	-	LFPCT-0450G1	2074117
Coaxial tube for LFP with process connection G 3/4, process connection of coaxial tube G 3/4, material 1.4571/316TI, for probe length 500 mm	-	-	-	LFPCT-0500G1	2068144
Coaxial tube for LFP with process connection G 3/4, process connection of coaxial tube G 3/4, material 1.4571/316TI, for probe length 600 mm	-	-	-	LFPCT-0600G1	2068145
Coaxial tube for LFP with process connection G 3/4, process connection of coaxial tube G 3/4, material 1.4571/316TI, for probe length 640 mm	-	-	-	LFPCT-0640G1	2087877
Coaxial tube for LFP with process connection G 3/4, process connection of coaxial tube G 3/4, material 1.4571/316TI, for probe length 700 mm	-	-	-	LFPCT-0700G1	2068146

Protective housing

Description	Material	Items supplied	Suitable for	Type	Part no.
Coaxial tube for LFP with process connection G 3/4, process connection of coaxial tube G 3/4, material 1.4571/316TI, for probe length 200 mm	-	-	-	LFPCT-0200G1	2068141
Compact weather hood, 270°, for LMS1xx. Not compatible with mast mount 1081413.	Stainless steel	Weather hood, 270°, 4 x cylinder head screws M5 x 10	-	Weather hood, 270°	2082560
Compact weather protection hood, 190°, for LMS1xx. Compatible with mast mount 1081413.	Stainless steel	Weather hood, 190°, 4 x cylinder head screws M5 x 10	-	Weather hood, 190°	2082563
Cover, closed	-	-	-	BEF-GA-SEY52BS1	2048234
Dust protection tube	-	-	-	Dust shield	1003556
	-	-	-	SSTD080-314	1000133
	Aluminum	Mounting hardware included	-	OBS-W45	2011432
Dust protection tube with infrared protective screen for WT45-P200S03, WT45-R200S04 und WS/WE45-P260S01	Aluminum	Mounting hardware included	-	OBS-W45-H	2019053
Dust protection tube, air-purged	Aluminum	Mounting hardware included	W24-2	OBS-W24	2015069
ESD front cover for the Lector61x	-	-	-	ESD front cover	2124259

Description	Material	Items supplied	Suitable for	Type	Part no.
Enclosure rating: IP 67; Ambient temperature from ... to: -20 °C ... +55 °C; Air humidity from ... to: 15 % ... 95 %, non-condensing; Vibration resistance: 5 g (10 Hz ... 55 Hz) (IEC 60068-2-6); Shock resistance: 10 g, 16 ms (IEC 60068-2-29)	Plastic, Aluminum, plastic, plastic	-	Protective tube for MLG, XLG and ELG light grids	IPG00-08205110S07	2076186
				IPG00-11205110S03	2069844
				IPG00-17205110S04	2069847
				IPG67-01285111S05	2070373
				IPG67-02205111	2070381

Protective housing

Description	Material	Items supplied	Suitable for	Type	Part no.
Enclosure rating: IP 67; ambient temperature from ... to: -20 °C ... +55 °C	Plastic, Aluminum	-	Protective pipe for MLG-2 light grid, detection height 2,350 mm ... 2,395 mm	IPG2-2470A5P167	2095091
			Protective pipe for MLG-2 light grid, detection height 2,800 mm ... 2,845 mm	IPG2-2920A5P167	2094574
			Protective pipe for MLG-2, monitoring height 1,000 mm ... 1,045 mm	IPG2-1120A5P167	2083875
			Protective pipe for MLG-2, monitoring height 1,150 mm ... 1,195 mm	IPG2-1270A5P167	2083876
			Protective pipe for MLG-2, monitoring height 1,300 mm ... 1,345 mm	IPG2-1420A5P167	2083877
			Protective pipe for MLG-2, monitoring height 1,450 mm ... 1,495 mm	IPG2-1570A5P167	2083878
			Protective pipe for MLG-2, monitoring height 1,600 mm ... 1,645 mm	IPG2-1720A5P167	2083879
			Protective pipe for MLG-2, monitoring height 1,750 mm ... 1,795 mm	IPG2-1870A5P167	2083880
			Protective pipe for MLG-2, monitoring height 1,900 mm ... 1,945 mm	IPG2-2020A5P167	2083881
			Protective pipe for MLG-2, monitoring height 100 mm ... 140 mm	IPG2-0220A5P167	2083870
			Protective pipe for MLG-2, monitoring height 2,050 mm ... 2,095 mm	IPG2-2170A5P167	2083882

Description	Material	Items supplied	Suitable for	Type	Part no.	
			monitoring height 850 mm ... 895 mm			
Enclosure rating: IP67; ambient temperature from ... to: -20 °C ... +55 °C; air humidity from ... to: 15% ... 95%, non-condensing; vibration resistance: 5 g (10 Hz ... 55 Hz) (IEC 60068-2-6); shock resistance: 10 g, 16 ms (IEC 60068-2-29)	Plastic, Aluminum, plastic, plastic	-	Protective pipe for MLG, XLG, and ELG light grids	IPG67-03705111	2070385	
				IPG67-05205111	2070392	
				IPG67-06705111	2070395	
				IPG67-09705111	2070398	
				IPG67-11205111	2070401	
				IPG67-14205111	2070403	
	Plastic, stainless steel, plastic, plastic	-			IPG67-15705111	2070404
					IPG67-17205111	2070405
					IPG67-23205111	2070406
					IPG67-06705211	2069856
					IPG67-09705211	2069209
					IPG67-11205211	2070080
Filter replacement kit in PA6 for LFT up to probe length of 1000 mm	-	-	-	SPR-PF-LFIPA6-0001	2055517	
Filter replacement kit in PA6 for LFT up to probe length of 2000 mm	-	-	-	SPR-PF-LFIPA6-0002	2055518	
GRP housing for analyzer unit, with heating 115 V / 500 W	-	-	-	GRP housing	6063326	
GRP housing for analyzer unit, with heating 230 V / 500 W	-	-	-	GRP housing	6063325	
Heating for control unit 115 V / 500 W, GFRP housing required for electronics	-	-	-	GRP housing	6063321	
Heating for control unit 230 V / 500 W, GFRP housing required for electronics	-	-	-	GRP housing	6063320	
IP66 protective housing for SID71 with power	-	-	-	SID71 IP66 housing	2146631	

Protective housing

Description	Material	Items supplied	Suitable for	Type	Part no.
and Ethernet connection					
L-shape, steel, yellow, powder-coated, 150 mm x 150 mm x 400 mm (L x W x H)	-	-	-	Ram protection	On request
Lens protection bracket with plastic screen for W12-3	Stainless steel	Mounting hardware included	-	LPC-W12-3	2048931
Metal protection hose for LL3-Fibers with M6 threaded head; length 1000 mm	-	1 pieces	-	BEF-LL3M61000	5331291
Metal protection hose for LL3-Fibers with M6 threaded head; length 500 mm	-	1 pieces	-	BEF-LL3M6500	5331290
Min. cooling water flow rate 2 l/min, max. water pressure 6 bar. The housing and the optional protective tube can be flushed out with compressed air (max. 100 mbar). The housing can be opened from the top without a tool. Due to space constraints, connecting cables with 90° angled, pre-assembled male connectors/female connectors are required.	-	Heavy-duty protective housing with water cooling, alignment bracket and front screen (pre-installed). The tube for the heavy-duty protective housing is not included with delivery.	-	Heavy-duty protective housing with cooling	2087692
Number of male connectors: 8, size of cable screw connection: PG7 and PG13.5, number of terminals: 2	-	-	-	IP65 housing	6020343

Description	Material	Items supplied	Suitable for	Type	Part no.
Open cover for SEK/SEL52 with hollow shaft	-	-	-	BEF-GA-SEY52TS1	2048232
Plastic screen for LPC-W12-3	Plastic	-	-	LPC-W12-FSK	4057084
Plug housing for HIPER-DRIVE-HUB with cable gland and flat seal, spare part kit	-	-	-	Connector housing	2042066
Protection class: IP 67 Ambient temperature from ... to: -20 °C ... +55 °C Air humidity from ... to: 15 % ... 95 %, non-condensing Vibration resistance:5 g (10 Hz ... 55 Hz) (IEC 60068-2-6) Shock resistance: 10 g, 16 ms (IEC 60068-2-29)	Plastic, Aluminum, plastic, plastic	-	Protective pipe for light grids MLG, XLG and ELG	IPG67-20205111	2070877
				IPG67-21705111	2070878
Protective housing for W26, W27-3 and mounting rods with diameter 12 mm	Steel, zinc diecast	Universal clamp BEF-KHS-KH3 (5322626), mounting hardware	W27-3, W26, RAY26	BEF-SG-W27S01	2086727
Protective housing for W26, W27-3 and mounting rods with diameter 12 mm ... 20 mm	Steel, zinc diecast	Universal clamp BEF-KHS-KH1 (2022726), mounting hardware	W27-3, W26, RAY26	BEF-SG-W27	2039601
Protective housing for spiral flex hose	Aluminum, steel	-	W2 Slim	BEF-W2S-C	2033270

Protective housing

Description	Material	Items supplied	Suitable for	Type	Part no.
Protective housing for universal clamp	Steel	Universal clamp, mounting hardware	W11-2, W12	BEF-SG-W12-3N	2077411
	Steel, zinc diecast	Universal clamp (2022726), mounting hardware	G10	BEF-SG-G10	2077523
			Universal clamp (5322626), mounting hardware	W11-2, W12	BEF-SG-W12-3S01
		W11-2, W12-3		BEF-SG-G6-02	2083233
		Universal clamp (new), mounting hardware	W14-2, W18-3	BEF-SG-W14	2058124
		Universal clamp, mounting hardware	W11-2, W12	BEF-SG-W12-3	2045175
	W16		BEF-SG-W16	2096146	
Protective housing for universal clamp for mounting bars with 12-mm diameter	Steel, zinc diecast	Universal clamp (5322627), mounting hardware	W11-2, W12-3	BEF-SG-W16NS01	2104198
Protective metal housing for saferS sensor	Stainless steel	Protective metal housing incl. mounting kit	-	Protective housing	5341984
Rain cover for vertical mounting of the weatherproof housing. The back cover can be folded back to open the weatherproof housing.	-	-	-	Rain cover for protective housing	2087695
Recommended for outdoor usage.	Stainless steel	-	-	Weatherproof housing	2081800
					2080601
Recommended for outdoor usage. Due to lack of space 90° angled pre-assembled connectors must imperatively be used.	Stainless steel	-	-	Weatherproof housing	2065284
Safety bracket for floor mounting	Stainless steel	Mounting hardware included	W4S W8, W100, G6	BEF-SW-W4S	2051497
Snow protection tube	-	-	-	Snow protection tube	1003619
Spare part for splash guard (2123205)	-	-	-	Splash guard inlay	2123662
Splash guard, only in con-	-	-	-	Splash guard	2123205

Description	Material	Items supplied	Suitable for	Type	Part no.
junction with mounting kit 3 (2103049)					
Stainless steel 1.4301 (SVS 304), 3 mm thick protective sleeve	Stainless steel	Mounting hardware included	G6, KTM Core, KTM Prime, CSM, LUTM	BEF-SG-G6-01	2069044
The housing and the optional protective tube can be flushed out with compressed air (max. 100 mbar). The housing can be opened from the top without a tool. Due to space constraints, connecting cables with 90° angled, pre-assembled male connectors/female connectors are required.	-	Heavy-duty protective housing with front screen (pre-installed). The alignment bracket and the tube for the heavy-duty protective housing are not included with delivery.	-	Heavy-duty protective housing	2087691
Weather hood	Aluminum	Mounting hardware included	-	OBW-W45	2011431
			W24-2	OBW-W24	2015070
Weather hood (125°), aluminum powder-coated	Aluminum (powder-coating)	-	Weather hood for LMS5xx	Weather hood 125° for LMS5xx	2026151
Weather hood for TIC102	-	-	-	Weather protection hood	4068062
Weather hood for universal clamp bracket	Steel	Mounting hardware included	W23-2, W24-2, W27-3, W34	OBW-KHS-M01	2023240
Weather protection hood for G10	Steel	Mounting hardware included	G10	BEF-G10WSG	2071960
Weather protection hood for reflectors PL80A, P250, PL40A, PL30A	Steel	Without mounting hardware	PL80A, P250, PL40A, PL30A	BEF-PL80AWSG	2071961
Explosion-proof enclosure for safety light curtains with protective field height of 1,200 mm	-	-	-	EXA-12A0000A000	1068384
Explosion-proof enclosure for safety light	-	-	-	EXA-06A0000A000	1068382

Protective housing

Description	Material	Items supplied	Suitable for	Type	Part no.
curtains with protective field height of 600 mm					
Explosion-proof enclosure for safety light curtains with protective field height of 900 mm	-	-	-	EXA-09A0000A000	1068383
Suitable for 2 beams	-	-	-	Protective housing spare part, deTem IP69K	2096395
Suitable for 3 beams	-	-	-	Protective housing spare part, deTem IP69K	2096396
Suitable for 4 beams	-	-	-	Protective housing spare part, deTem IP69K	2096397
Suitable for protective field height of 1,050 mm	-	-	-	Protective housing spare part, deTec IP69K	2096389
Suitable for protective field height of 1,200 mm	-	-	-	Protective housing spare part, deTec IP69K	2096390
Suitable for protective field height of 1,350 mm	-	-	-	Protective housing spare part, deTec IP69K	2096391
Suitable for protective field height of 1,500 mm	-	-	-	Protective housing spare part, deTec IP69K	2096392
Suitable for protective field height of 1,650 mm	-	-	-	Protective housing spare part, deTec IP69K	2096393
Suitable for protective field height of 1,800 mm	-	-	-	Protective housing spare part, deTec IP69K	2096394
Suitable for protective field height of 300 mm	-	-	-	Protective housing spare part, deTec IP69K	2096384
Suitable for protective field height of 450 mm	-	-	-	Protective housing spare part, deTec IP69K	2096385
Suitable for protective field height of 600 mm	-	-	-	Protective housing spare part, deTec IP69K	2096386
Suitable for protective field height of 750 mm	-	-	-	Protective housing spare part, deTec IP69K	2096387

Description	Material	Items supplied	Suitable for	Type	Part no.
Suitable for protective field height of 900 mm	-	-	-	Protective housing spare part, deTec IP69K	2096388
Weather hood (only in conjunction with mounting kit 3)	-	-	-	Weather hood	2103050

SICK AT A GLANCE

SICK is one of the leading manufacturers of intelligent sensors and sensor solutions for industrial applications. A unique range of products and services creates the perfect basis for controlling processes securely and efficiently, protecting individuals from accidents and preventing damage to the environment.

We have extensive experience in a wide range of industries and understand their processes and requirements. With intelligent sensors, we can deliver exactly what our customers need. In application centers in Europe, Asia and North America, system solutions are tested and optimized in accordance with customer specifications. All this makes us a reliable supplier and development partner.

Comprehensive services complete our offering: SICK LifeTime Services provide support throughout the machine life cycle and ensure safety and productivity.

For us, that is “Sensor Intelligence.”

WORLDWIDE PRESENCE:

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