

IMC12-08NPPVCOSA70

INDUCTIVE PROXIMITY SENSORS



INDUCTIVE PROXIMITY SENSORS



Ordering information

Туре	Part no.
IMC12-08NPPVC0SA70	1079290

Included in delivery: BEF-MU-M12N (1)

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





Detailed technical data

Features

Housing	Cylindrical thread design
Thread size	M12 x 1
Diameter	Ø 12 mm
Sensing range S _n	0 mm 8 mm ¹⁾
Safe sensing range S _a	6.48 mm
Number of switching points	Up to 4 adjustable switching points or windows
Switching modes	Single point, Window mode, Two point mode, Visual adjustment indicator
Switching frequency Qint.1 / Qint.2 on Pin2	1,000 Hz
Installation type	Non-flush
Connection type	Male connector M12, 4-pin ²⁾
Switching output	PNP
Output Q/C	Switching output or IO-Link mode
Output MFC	Switching output or input
Output function	NC / NO
Output characteristic	Programmable
Electrical wiring	DC 4-wire
Enclosure rating	IP68 ³⁾ IP69К ⁴⁾
Special features	Smart Task, Resistant against coolant lubricants, IO-Link

¹⁾ Adjustable.

 $^{\rm 2)}$ With gold plated contact pins.

 $^{\rm (3)}$ According to EN 60529.

⁴⁾ According to ISO 20653:2013-03.

INDUCTIVE PROXIMITY SENSORS

Special applications	Zones with coolants and lubricants, Difficult application conditions	
Special characteristic	Resistant against coolant lubricants	
Pin 2 configuration	External input, Teach-in, switching signal	
Items supplied	Mounting nut, V2A stainless steel, with locking teeth (2x)	

¹⁾ Adjustable.

²⁾ With gold plated contact pins.

³⁾ According to EN 60529.

⁴⁾ According to ISO 20653:2013-03.

Mechanics/electronics

Supply voltageIN VDC30 VDC. ¹⁾ RippleSI VDC30 VDC. ¹⁾ RippleSI VDC30 VDC. ¹⁾ Voltage dropSI VDC30 VDC. ¹⁾ HystersisParamable ³ ReproducibilitySI VDC30		
Voltage drops2V2Voltage drops2V2Hysteresisreogrammable 30Reproducibilitys5 % 40.5Temperature drift (of S.)10 %EMCAccording to EN 60947-5-2Continuous current Ia200 mA 60Short-circuit protectionReverse polarity protectionPower-up pulse protectionShock and vibration resistance100 g/ 2 ms / 500 cycles; 150 g/ 1 Mio cycles; 10 Hz 55 Hz / 1 mm; 55 Hz 500 Hz / 60 gAmbient operating temperature40 ° C +75 °CHousing materialStainless steel V2A, DIN 1.4305 / AISI 303Sensing face materialPostic, LCPHousing lengthTp. 32 Nm 70It fiel No.E181433Lu Fiel No.E181433Teach-in accuracy40 µm (mm 4 mm) sito µm (mm 4 mm	Supply voltage	10 V DC 30 V DC ¹⁾
HysteresisProgrammable ³ HysteresisProgrammable ³ Reproducibility≤ 5 % ^{4) 5)} Temperature drift (of S ₁)± 10 %EMCAccording to EN 60947-5-2Continuous current Ia≤ 200 mA ⁶⁾ Short-circuit protection.Reverse polarity protection.Power-up pulse protection.Shock and vibration resistance100 g/ 2 ms / 500 cycles; 150 g/ 1 Mio cycles; 10 Hz 55 Hz / 1 mm; 55 Hz 500 Hz / 60 gAmbient operating temperature-40 ° C +75 ° CHousing materialStainless steel V2A, DIN 1.4305 / AISI 303Sensing face materialPlastic, LCPGostand uither difference55 ma 20 mm ⁷)UL File No.E181493Teach-in accuracy 4 mm ³ Resolution, maximum (area)00 µm (0 mm 4 mm ³) 100 µm (0 mm 4 mm ³) <br< th=""><th>Ripple</th><th>≤ 10 %</th></br<>	Ripple	≤ 10 %
ReproducibilitySign 4 ^(4) 6) Temperature drift (of S,)200 MS ⁽⁴⁾ SOCORD 40047-5-2EMCAccording to EN 60947-5-2Continuous current Ia200 mA ⁽⁵⁾ Short-circuit protectionPower-up pulse protection	Voltage drop	$\leq 2 V^{2}$
Temperature drift (of S,)± 10 %EMCAccording to EN 60947-5-2Continuous current I,S -00 mA ⁶ Short-circuit protection✓Reverse polarity protection✓Power-up pulse protection✓Power-up pulse protection✓Ambient operating temperature00 g/ 2 m s / 500 cycles; 150 g / 1 Mio cycles; 10 Hz 55 Hz / 1 mm; 55 Hz 500 Hz / 0 gAmbient operating temperature40 ° C +75 °CHousing materialStatiles steel V2A, DIN 1.4305 / AISI 303Sensing face materialHoat (LP CHousing lengthEasteel V2A, DIN 1.4305 / AISI 303Tiptening torque, max.Isi 1843UL File No.Easteel V3A of SrCurrent Current Curr	Hysteresis	Programmable ³⁾
EMCAccording to EN 60947-5-2Continuous current I, $\leq 200 \text{ mA}^{60}$ Short-circuit protection \checkmark Reverse polarity protection \checkmark Power-up pulse protection \checkmark Shock and vibration resistance $100 g / 2 \text{ ms} / 500 \text{ cycles; } 150 g / 1 Mio cycles; 10 Hz 55 Hz / 1 mm; 55 Hz 500 Hz / 60 gAmbient operating temperature-40 ^\circ C \dots +75 ^\circ CHousing materialStainless steel V2A, DIN 1.4305 / AISI 303Sensing face materialPlastic, LCPHousing length43 mmTiptening torque, max.Typ. 32 Nm ^7UL File No.E181493Teach-in accuracy/ -3\% of SrResolution, typical (range)00 \mu \mu (0 mm 4 mm) 50 \mu m (4 mm 6 mm) 100 µm (4 mm 6 mm) 1$	Reproducibility	< 5 % ^{4) 5)}
Continuous current In ≤ 200 mA ⁶ Short-circuit protection ✓ Reverse polarity protection ✓ Power-up pulse protection ✓ Shock and vibration resistance ✓ Ambient operating temperature -40 °C +75 °C Housing material Stainless steel V2A, DIN 1.4305 / AISI 303 Sensing face material Plastic, LCP Housing tength 65 mm Tiptening torque, max. Typ, 32 Nm ⁷) LI File No. E181493 Teach-in accuracy √-3% of Sr Resolution, typical (range) Ou µm (0 mm 4 mm) ⁵ OU	Temperature drift (of S _r)	± 10 %
Short-circuit protectionReverse polarity protectionPower-up pulse protectionShock and vibration resistance100 g / 2 ms / 500 cycles; 150 g / 1 Mio cycles; 10 Hz 55 Hz / 1 mm; 55 Hz 500 Hz / 60 gAmbient operating temperature-40 ° C +75 ° CHousing materialStainless steel V2A, DIN 1.4305 / AISI 303Sensing face materialPlastic, LCPHousing length65 mmThread lengthStainless xteel V2A, DIN 2 57 Hz / 1 mm; 55 Hz / 1 mm; 56 Hz / 0 S m;I fue to ing the protectionHating to represented to the protectionI file No.E181493Teach-in accuracy+/- 3% of SrResolution, typical (range)20 µm (0 mm 4 mm) for µm (4 mm 6 mm) 100 µm (6 mm 6 mm) 100 µm (4 mm 6 mm)	EMC	According to EN 60947-5-2
Reverse polarity protection✓Power-up pulse protection✓Shock and vibration resistance100 g / 2 ms / 500 cycles; 150 g / 1 Mio cycles; 10 Hz 55 Hz / 1 mm; 55 Hz 500 Hz / 60 gAmbient operating temperature-40 ° C +75 ° CHousing materialStainless steel V2A, DIN 1.4305 / AISI 303Sensing face materialPlastic, LCPHousing length65 mmThread lengthTyp. 32 Nm ⁷)UL File No.E181493Teach-in accuracy+/ 3% of SrResolution, typical (range)00 µm (0 mm 4 mm) 100 µm (0 mm 8 mm)Resolution, maximum (area)40 µm (0 mm 4 mm) 100 µm (4 mm 6 mm) 100 µm (4 mm 6 mm)	Continuous current I _a	≤ 200 mA ⁶⁾
Power-up pulse protection✓Shock and vibration resistancelo0 g / 2 ms / 500 cycles; 150 g / 1 Mio cycles; 10 Hz 55 Hz / 1 mm; 55 Hz 500 Hz / 60 gAmbient operating temperature-40 ° C +75 ° CHousing materialStainless steel V2A, DIN 1.4305 / AISI 303Sensing face materialPlastic, LCPHousing length65 mmThread length19 2 Nm ⁷)UL File No.E181493Teach-in accuracy+/-3% of SrResolution, typical (range)00 µm (0 mm 4 mm) 100 µm (6 mm 8 mm)Resolution, maximum (area)00 µm (0 mm 4 mm) 100 µm (4 mm 6 mm)	Short-circuit protection	\checkmark
Shock and vibration resistanceOo g / 2 ms / 500 cycles; 150 g / 1 Mio cycles; 10 Hz 55 Hz / 1 mm; 55 Hz 500 Hz / 60 gAmbient operating temperature-40 ° C +75 ° CHousing materialStainless steel V2A, DIN 1.4305 / AISI 303Sensing face materialPlastic, LCPHousing length65 mmThread lengthTyp. 32 Nm ⁷)UL File No.E181493Teach-in accuracy-/- 3% of SrResolution, typical (range)20 µm (0 mm 4 mm) 100 µm (4 mm 6 mm)	Reverse polarity protection	1
60 g60 gAmbient operating temperature-40 °C +75 °CHousing materialStainless steel V2A, DIN 1.4305 / AISI 303Sensing face materialPlastic, LCPHousing length65 mmThread length43 mmTightening torque, max.Typ. 32 Nm ⁷)UL File No.E181493Teach-in accuracy-4/ 3% of SrResolution, typical (range)00 μm (0 mm 4 mm) 100 μm (4 mm 6 mm)Resolution, maximum (area)40 μm (0 mm 4 mm) 100 μm (4 mm 6 mm)	Power-up pulse protection	✓
Housing materialStainless steel V2A, DIN 1.4305 / AISI 303Housing face materialPlastic, LCPHousing length65 mmThread length43 mmTightening torque, max.Typ. 32 Nm ⁷⁾ UL File No.E181493Teach-in accuracy4/- 3% of SrResolution, typical (range)00 µm (0 mm 4 mm) 100 µm (6 mm 8 mm)Resolution, maximum (area)00 µm (0 mm 4 mm) 100 µm (4 mm 6 mm) 100 µm (4 mm 6 mm)	Shock and vibration resistance	
Sensing face materialPlastic, LCPHousing length65 mmThread length43 mmTightening torque, max.Typ. 32 Nm ⁷)UL File No.E181493Teach-in accuracy+/- 3% of SrResolution, typical (range)Q0 µm (0 mm 4 mm) 100 µm (6 mm 6 mm) 100 µm (4 mm 6 mm) 100 µm (4 mm 6 mm)	Ambient operating temperature	-40 °C +75 °C
Housing length65 mmHousing length63 mmThread length43 mmTightening torque, max.Typ. 32 Nm 7)UL File No.E181493Teach-in accuracy// - 3% of SrResolution, typical (range)00 µm (0 mm 4 mm) s00 µm (4 mm 6 mm) 100 µm (4 mm 6 mm) 100 µm (4 mm 6 mm)	Housing material	Stainless steel V2A, DIN 1.4305 / AISI 303
Thread length 43 mm Tightening torque, max. Typ. 32 Nm ⁷⁾ UL File No. E181493 Teach-in accuracy +/- 3% of Sr Resolution, typical (range) 20 µm (0 mm 4 mm) 50 µm (4 mm 6 mm) 100 µm (6 mm 8 mm) Resolution, maximum (area) 40 µm (0 mm 4 mm) 100 µm (4 mm 6 mm)	Sensing face material	Plastic, LCP
Tightening torque, max. Typ. 32 Nm ⁷⁾ UL File No. E181493 Teach-in accuracy +/- 3% of Sr Resolution, typical (range) 20 µm (0 mm 4 mm) 50 µm (4 mm 6 mm) 100 µm (6 mm 8 mm) Resolution, maximum (area) 40 µm (0 mm 4 mm) 100 µm (4 mm 6 mm)	Housing length	65 mm
UL File No. E181493 Teach-in accuracy +/- 3% of Sr Resolution, typical (range) 20 μm (0 mm 4 mm) 50 μm (4 mm 6 mm) 100 μm (6 mm 8 mm) Resolution, maximum (area) 40 μm (0 mm 4 mm) 100 μm (4 mm 6 mm)	Thread length	43 mm
Teach-in accuracy +/- 3% of Sr Resolution, typical (range) 20 μm (0 mm 4 mm) 50 μm (4 mm 6 mm) 100 μm (6 mm 8 mm) Resolution, maximum (area) 40 μm (0 mm 4 mm) 100 μm (4 mm 6 mm)	Tightening torque, max.	Typ. 32 Nm ⁷⁾
Resolution, typical (range) 20 μm (0 mm 4 mm) 50 μm (4 mm 6 mm) 100 μm (6 mm 8 mm) Resolution, maximum (area) 40 μm (0 mm 4 mm) 100 μm (4 mm 6 mm)	UL File No.	E181493
50 μm (4 mm 6 mm) 100 μm (6 mm 8 mm) Resolution, maximum (area) 40 μm (0 mm 4 mm) 100 μm (4 mm 6 mm)	Teach-in accuracy	+/- 3% of Sr
100 µm (4 mm 6 mm)	Resolution, typical (range)	50 μm (4 mm 6 mm)
	Resolution, maximum (area)	100 µm (4 mm 6 mm)

¹⁾ IO-Link mode: 18 VDC ... 30 VDC.

²⁾ At I_a max.

 $^{3)}$ To comply with EN 60947-5-2, a hysteresis of approx. 10% must be set.

⁴⁾ Supply voltage Ub and constant ambient temperature Ta.

⁵⁾ Of Sr.

⁶⁾ 200 mA total for both switching outputs.

⁷⁾ Valid if toothed side of nut is used.

INDUCTIVE PROXIMITY SENSORS

Safety-related parameters

Salety-related parameters				
MTTFD	688 years			
DC _{avg}	0 %			
T _M (mission time)	20 years			
Communication interface				
Communication interface	IO-Link V1.1			
Communication Interface detail	COM2 (38,4 kBaud)			
Cycle time	5 ms			
Process data length	32 Bit			
Process data structure	Bit 0 = switching signal Q_{L1} Bit 1 = switching signal Q_{L2} Bit 2 = switching signal Q_{Int3} Bit 3 = switching signal Q_{Int4} Bit 18 31 = time value			
Factory setting	Switching Point 1: reference value 1 Output: normally open Pin 2 configuration: input			
Reference values				
Note Reference value in Digits for switching point in mm stored in the sensor				
Reference value 1	8 mm			
Reference value 2	6 mm			
Reference value 3	4 mm			
Reference value 4	2 mm			
Reduction factors				
Stainless steel (V2A, 304)	Approx. 0.7			
Aluminum (AI)	Approx. 0.4			
Copper (Cu)	Approx. 0.4			
Brass (Br)	Approx. 0.4			
Installation note				
Remark	Associated graphic see "Installation"			
A	12 mm			
В	24 mm			
c	12 mm			
D	24 mm			
E	16 mm			
F	64 mm			
Smart Task				
Smart Task name	Time measurement + debouncing			
Logic function	Window Direct			
Timer function	Deactivated			

On delay

1) SIO Logic: Sensor operation in standard I/O mode without IO-Link communication. Sensor-internal logic or timing parameters plus Automation Functions used.

²⁾ IOL: Sensor operation with full IO-Link communication and usage of logic, timing and Automation Function parameters.

INDUCTIVE PROXIMITY SENSORS

	Off delay ON and OFF delay Impulse (one shot)
Inverter	Adjustable
Time measurement accuracy	SIO Logic: (-1,2 0) x time base \pm 1 % of time measurement value ¹⁾ IOL: (-1,2 0) x time base \pm 1 % of time measurement value ²⁾
Time measurement accuracy (e.g. accuracy for time measurement value = 1 s)	Time base 1 ms: -11,2 ms 10 ms
Resolution time measuring value	1 ms
Debounce time max.	SIO Logic: 30 s ¹⁾ IOL: 30 s ²⁾
Switching signal	
Switching signal Q_{L1}	Output type (dependant on the adjusted threshold)
Switching signal Q_{L2}	Output type (dependant on the adjusted threshold)
Measuring value	Time measurement value

SIO Logic: Sensor operation in standard I/O mode without IO-Link communication. Sensor-internal logic or timing parameters plus Automation Functions used.
 IOL: Sensor operation with full IO-Link communication and usage of logic, timing and Automation Function parameters.

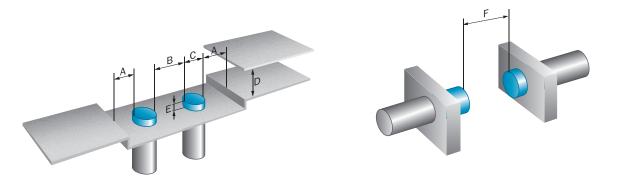
Classifications

eCl@ss 5.0	27270101
eCl@ss 5.1.4	27270101
eCl@ss 6.0	27270101
eCl@ss 6.2	27270101
eCl@ss 7.0	27270101
eCl@ss 8.0	27270101
eCl@ss 8.1	27270101
eCl@ss 9.0	27270101
eCl@ss 10.0	27270101
eCl@ss 11.0	27270101
eCl@ss 12.0	27274001
ETIM 5.0	EC002714
ETIM 6.0	EC002714
ETIM 7.0	EC002714
ETIM 8.0	EC002714
UNSPSC 16.0901	39122230

INDUCTIVE PROXIMITY SENSORS

Installation note

Non-flush installation



Connection diagram

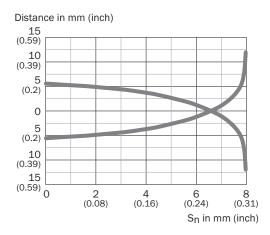
Cd-526



Q_{L1}/C = Switching output, IO-Link communication MF = Multifunction

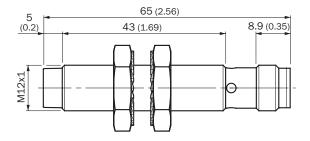
Response diagram

Response diagram



Dimensional drawing (Dimensions in mm (inch))

IMC12 Standard, connector M12, non-flush



Recommended accessories

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

	Brief description	Туре	Part no.		
Connection m	Connection modules				
and and a second	IO-Link V1.1 Class A port, USB2.0 port, optional external power supply $24V / 1A$	IOLA2US-01101 (SiLink2 Master)	1061790		
	EtherCAT IO-Link Master, IO-Link V1.1, Port Class A, power supply via $7/8^{\prime\prime}$ cable 24 V $/$ 8 A, fieldbus connection via M12 cable	IOLG2EC-03208R01 (IO-Link Master)	6053254		
	EtherNet/IP IO-Link Master, IO-Link V1.1, Port Class A, power supply via 7/8" cable 24 V / 8 A, fieldbus connection via M12-cable	IOLG2EI-03208R01 (IO-Link Master)	6053255		
	PROFINET IO-Link Master, IO-Link V1.1, Port Class A, power supply via 7/8" cable 24 V / 8 A, fieldbus connection via M12 cable	IOLG2PN-03208R01 (IO-Link Master)	6053253		
Universal bar	clamp systems				
	Plate N05N for universal clamp bracket, M12, Stainless steel 1.4571 (sheet), Stainless steel 1.4408 (clamp), Universal clamp (5322627), mounting hardware	BEF-KHS-N05N	2051621		
5	Plate N11N for universal clamp bracket, Stainless steel 1.4571 (sheet), Stainless steel 1.4408 (clamp), Universal clamp BEF-KHS-KH3 (5322626), mounting hardware	BEF-KHS-N11N	2071081		
Mounting brackets and plates					
	Mounting plate for M12 sensors, stainless steel, without mounting hardware	BEF-WG-M12N	5320950		
40	Mounting bracket for M12 housing, stainless steel, without mounting hardware	BEF-WN-M12N	5320949		

IMC12-08NPPVCOSA70 | IMC INDUCTIVE PROXIMITY SENSORS

	Brief description	Туре	Part no.
Plug connecto	ors and cables		
<i>C</i>	Head A: female connector, M12, 4-pin, straight Head B: Flying leads Cable: Sensor/actuator cable, PP, unshielded, 2 m This product is generally resistant to chemical cleaning agents (see ECOLAB) and other chemical compounds such as H2O2 and CH2O2. Before permanent installation is car- ried out, the material's resistance to the cleaning agent being used must be checked., Resistant against lactic acid & hydrogen peroxide (H2O2)	DOL-1204-G02MRN	6058291
	Head A: female connector, M12, 4-pin, straight Head B: Flying leads Cable: Sensor/actuator cable, PP, unshielded, 5 m This product is generally resistant to chemical cleaning agents (see ECOLAB) and other chemical compounds such as H2O2 and CH2O2. Before permanent installation is car- ried out, the material's resistance to the cleaning agent being used must be checked., Resistant against lactic acid & hydrogen peroxide (H2O2)	DOL-1204-G05MRN	6058476
a l	 Head A: female connector, M12, 4-pin, angled Head B: Flying leads Cable: Sensor/actuator cable, PP, unshielded, 2 m This product is generally resistant to chemical cleaning agents (see ECOLAB) and other chemical compounds such as H2O2 and CH2O2. Before permanent installation is carried out, the material's resistance to the cleaning agent being used must be checked., Resistant against lactic acid & hydrogen peroxide (H2O2), only suitable for PNP sensors 	DOL-1204-L02MRN	6058482
	Head A: female connector, M12, 4-pin, angled Head B: Flying leads Cable: Sensor/actuator cable, PP, unshielded, 5 m This product is generally resistant to chemical cleaning agents (see ECOLAB) and other chemical compounds such as H2O2 and CH2O2. Before permanent installation is car- ried out, the material's resistance to the cleaning agent being used must be checked., Resistant against lactic acid & hydrogen peroxide (H2O2), only suitable for PNP sensors	DOL-1204-L05MRN	6058483
a	Head A: female connector, M12, 4-pin, angled Head B: Flying leads Cable: Sensor/actuator cable, PP, unshielded, 2 m This product is generally resistant to chemical cleaning agents (see ECOLAB) and other chemical compounds such as H2O2 and CH2O2. Before permanent installation is car- ried out, the material's resistance to the cleaning agent being used must be checked., Resistant against lactic acid & hydrogen peroxide (H2O2)	DOL-1204-W02MRN	6058474
	Head A: female connector, M12, 4-pin, angled Head B: Flying leads Cable: Sensor/actuator cable, PP, unshielded, 5 m This product is generally resistant to chemical cleaning agents (see ECOLAB) and other chemical compounds such as H2O2 and CH2O2. Before permanent installation is car- ried out, the material's resistance to the cleaning agent being used must be checked., Resistant against lactic acid & hydrogen peroxide (H2O2)	DOL-1204-W05MRN	6058477
6	Head A: female connector, M12, 4-pin, angled Head B: male connector, M12, 4-pin, straight Cable: Sensor/actuator cable, PP, unshielded, 2 m This product is generally resistant to chemical cleaning agents (see ECOLAB) and other chemical compounds such as H2O2 and CH2O2. Before permanent installation is car- ried out, the material's resistance to the cleaning agent being used must be checked., Resistant against lactic acid & hydrogen peroxide (H2O2)	DSL-1204-B02MRN	6058502
	Head A: female connector, M12, 4-pin, angled Head B: male connector, M12, 4-pin, straight Cable: Sensor/actuator cable, PP, unshielded, 5 m This product is generally resistant to chemical cleaning agents (see ECOLAB) and other chemical compounds such as H2O2 and CH2O2. Before permanent installation is car- ried out, the material's resistance to the cleaning agent being used must be checked., Resistant against lactic acid & hydrogen peroxide (H2O2)	DSL-1204-B05MRN	6058503

INDUCTIVE PROXIMITY SENSORS

Brief description	Туре	Part no.
 Head A: female connector, M12, 4-pin, straight Head B: male connector, M12, 4-pin, straight Cable: Sensor/actuator cable, PP, unshielded, 2 m This product is generally resistant to chemical cleaning agents (see ECOLAB) and other chemical compounds such as H2O2 and CH2O2. Before permanent installation is car- ried out, the material's resistance to the cleaning agent being used must be checked., Resistant against lactic acid & hydrogen peroxide (H2O2)	DSL-1204-G02MRN	6058499
Head A: female connector, M12, 4-pin, straight Head B: male connector, M12, 4-pin, straight Cable: Sensor/actuator cable, PP, unshielded, 5 m This product is generally resistant to chemical cleaning agents (see ECOLAB) and other chemical compounds such as H2O2 and CH2O2. Before permanent installation is car- ried out, the material's resistance to the cleaning agent being used must be checked., Resistant against lactic acid & hydrogen peroxide (H2O2)	DSL-1204-G05MRN	6058500

Recommended services

Additional services → www.sick.com/IMC

	Туре	Part no.
Function Block Factory		
• Description: The Function Block Factory supports common programmable logic controllers (PLCs) from various manufacturers, such as Siemens, Beckhoff, Rockwell Automation and B&R. More information on the FBF can be found here .	Function Block Factory	On request

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:

Contacts and other locations -www.sick.com



Online data sheet

