Data sheet

FLA-DIAG00001

Flexi Loop

SAFE SERIES CONNECTION

SICK
Sensor Intelligence.

Ordering information

Type	part no.
FLA-DIAG00001	1061714

Other models and accessories ➜ www.sick.com/Flexi_Loop

Detailed technical data

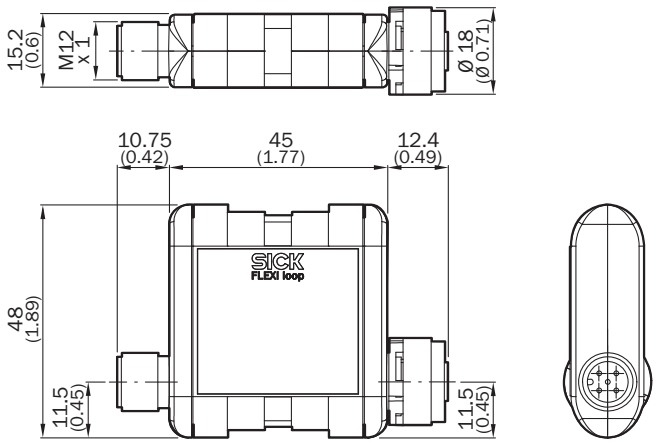
Certificates

EU declaration of conformity	✓
UK declaration of conformity	✓
ACMA declaration of conformity	✓
China RoHS	✓
UK-Type-Examination approval	✓
cULus certificate	✓
EC-Type-Examination approval	✓
Information according to Art. 3 of Data Act (Regulation EU 2023/2854)	✓

Classifications

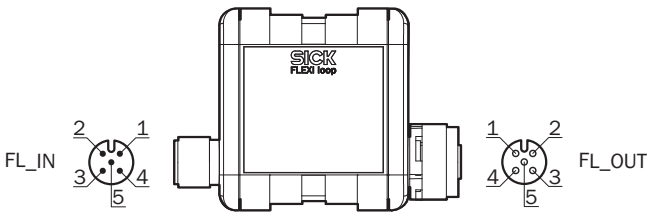
ECLASS 5.0	27371990
ECLASS 5.1.4	27371990
ECLASS 6.0	27371819
ECLASS 6.2	27371819
ECLASS 7.0	27371819
ECLASS 8.0	27371819
ECLASS 8.1	27371819
ECLASS 9.0	27371819
ECLASS 10.0	27371819
ECLASS 11.0	27371819
ECLASS 12.0	27371819
ETIM 5.0	EC001449
ETIM 6.0	EC001449
ETIM 7.0	EC001449
ETIM 8.0	EC001449
UNSPSC 16.0901	41113704

Dimensional drawing FLA-DIAG



Dimensions in mm (inch)

PIN assignment



The FL_IN pin assignment is only relevant for the first loop node in a safe series connection when connected to Flexi Soft. Additional Flexi Loop nodes are connected to FL_OUT using standardized cables with M12 plug connectors.

Connection	Pin	Signal	Description	Color-coded connecting cable
FL_IN	1	VDC	24 V supply voltage	Brown
	2	DATA_OUT	Output to Flexi Soft input In +1	White
	3	GND	GND supply voltage	Blue
	4	SAFE_OUT	Safe cut-off signal, output to Flexi Soft input In	Black
	5	DATA_IN	Input from Flexi Soft output Xn	Gray
The colors listed apply when using pre-assembled cables (no guarantee).				

Recommended accessories

Other models and accessories ➜ www.sick.com/Flexi_Loop

	Brief description	Type	part no.
Mounting systems			
	• **Description:** Flexi Loop fixing clip • **Dimensions (W x H x L):** 15 mm x 32 mm x 21 mm • **Packing unit:** 1 piece • **Suitable for:** Flexi Loop	C-Fix bracket	2068830

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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.”

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