



# FLA-MSTR00002

Flexi Loop

SAFE SERIES CONNECTION

**SICK**  
Sensor Intelligence.



### Ordering information

Type	part no.
FLA-MSTR00002	1067650

Other models and accessories → [www.sick.com/Flexi\\_Loop](http://www.sick.com/Flexi_Loop)



### Detailed technical data

#### Interfaces

<b>IO-Link</b>	✓
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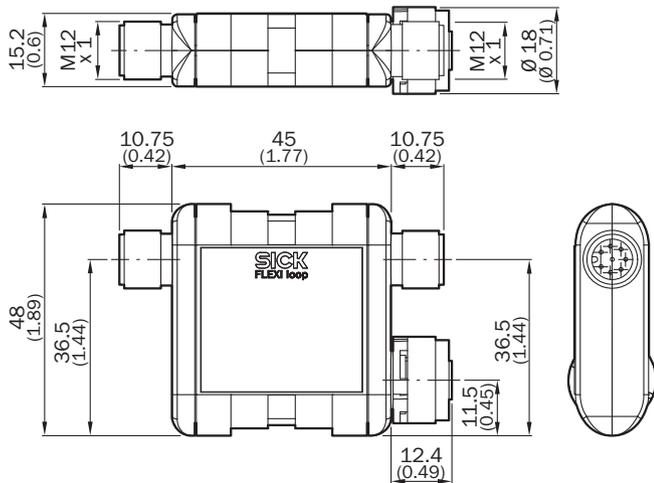
#### Certificates

<b>EU declaration of conformity</b>	✓
<b>UK declaration of conformity</b>	✓
<b>ACMA declaration of conformity</b>	✓
<b>China RoHS</b>	✓
<b>UK-Type-Examination approval</b>	✓
<b>cULus certificate</b>	✓
<b>EC-Type-Examination approval</b>	✓

#### Classifications

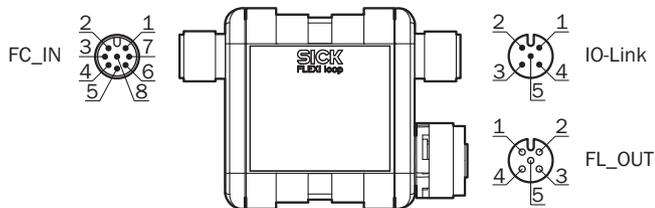
<b>ECLASS 5.0</b>	27371990
<b>ECLASS 5.1.4</b>	27371990
<b>ECLASS 6.0</b>	27371819
<b>ECLASS 6.2</b>	27371819
<b>ECLASS 7.0</b>	27371819
<b>ECLASS 8.0</b>	27371819
<b>ECLASS 8.1</b>	27371819
<b>ECLASS 9.0</b>	27371819
<b>ECLASS 10.0</b>	27371819
<b>ECLASS 11.0</b>	27371819
<b>ECLASS 12.0</b>	27371819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

Dimensional drawing FLA-MSTR00002



Dimensions in mm (inch)

PIN assignment



Connection	Pin	Signal	Description	Color-coded connecting cable
FC_IN	1	VDC	24 V supply voltage	White
	2	VDC	24 V supply voltage	Brown
	3	FC_A1	Test input 1	Green
	4	FC_A2	Safe output 1	Yellow
	5	GND	GND supply voltage	Gray
	6	GND	GND supply voltage	Pink
	7	FC_B1	Test input 2	Blue
	8	FC_B2	Safe output 2	Red
IO-Link or AUX_IN/AUX_OUT	1	VDC	24 V IO-Link supply voltage. IO-Link and Flexi Loop must have separate supply voltages.	Brown
	2	AUX_IN	Non-safe input	White
	3	GND	GND supply voltage	Blue
	4	C/Q or AUX_OUT	IO-Link interface/non-safe output	Black
	5	NC	Not connected	Gray

The colors listed apply when using pre-assembled cables (no guarantee).

### Recommended accessories

Other models and accessories → [www.sick.com/Flexi\\_Loop](http://www.sick.com/Flexi_Loop)

	Brief description	Type	part no.
connectors and cables			
	<ul style="list-style-type: none"> <li>• <b>Connection type head A:</b> Female connector, M12, 8-pin, straight</li> <li>• <b>Connection type head B:</b> Flying leads</li> <li>• <b>Signal type:</b> Sensor/actuator cable</li> <li>• <b>Cable:</b> 10 m, 8-wire, PVC</li> <li>• <b>Description:</b> Sensor/actuator cable, special color code, shielded</li> <li>• <b>Connection systems:</b> Flying leads</li> <li>• <b>Application:</b> Uncontaminated zones, Zones with chemicals</li> </ul>	DOL-1208-G10MF	6048434
	<ul style="list-style-type: none"> <li>• <b>Connection type head A:</b> Female connector, M12, 8-pin, straight</li> <li>• <b>Connection type head B:</b> Flying leads</li> <li>• <b>Signal type:</b> Sensor/actuator cable</li> <li>• <b>Cable:</b> 5 m, 8-wire, PVC</li> <li>• <b>Description:</b> Sensor/actuator cable, special color code, shielded</li> <li>• <b>Connection systems:</b> Flying leads</li> <li>• <b>Application:</b> Uncontaminated zones, Zones with chemicals</li> </ul>	DOL-1208-G05MF	6020664
Mounting systems			
	<ul style="list-style-type: none"> <li>• <b>Description:</b> Flexi Loop fixing clip</li> <li>• <b>Dimensions (W x H x L):</b> 15 mm x 32 mm x 21 mm</li> <li>• <b>Packing unit:</b> 1 piece</li> <li>• <b>Suitable for:</b> Flexi Loop</li> </ul>	C-Fix bracket	2068830

## 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](http://www.sick.com)