



# FLA-MSTR00002

Flexi Loop

SAFE SERIES CONNECTION / SAFETY CONTROLLERS

**SICK**  
Sensor Intelligence.



### Ordering information

Type	Part no.
FLA-MSTR0002	1067650

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



### Detailed technical data

#### Interfaces

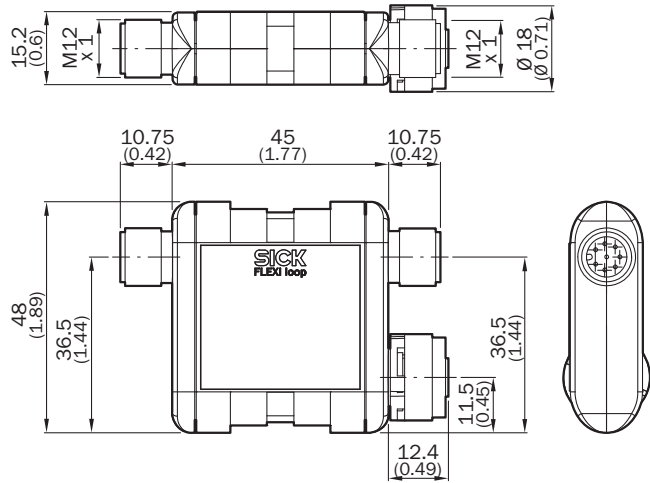
IO-Link	✓
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#### Classifications

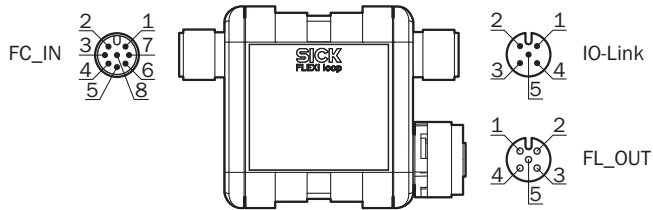
<b>ECLASS 5.0</b>	27371990
<b>ECLASS 5.1.4</b>	27371990
<b>ECLASS 6.0</b>	27371819
<b>ECLASS 6.2</b>	27371819
<b>ECLASS 7.0</b>	27371819
<b>ECLASS 8.0</b>	27371819
<b>ECLASS 8.1</b>	27371819
<b>ECLASS 9.0</b>	27371819
<b>ECLASS 10.0</b>	27371819
<b>ECLASS 11.0</b>	27371819
<b>ECLASS 12.0</b>	27371819
<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 (Dimensions in mm (inch))

FLA-MSTR00002



PIN assignment






Con- nec- tion	Pin	Sig- nal	Description	Col- or-cod- ed con- nect- ing 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

Con- nec- tion	Pin	Sig- nal	Description	Col- or-cod- ed con- nect- ing cable
	4	C/ Q or AUX_OUT	IO-Link inter- face/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.
Mounting brackets and plates			
	1 piece, Flexi Loop fixing clip	C-Fix bracket	2068830
Others			
	<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> </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> </ul>	DOL-1208-G05MF	6020664

## 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)