

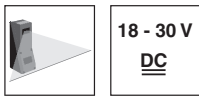
**K-DS M12A-8P-0.75m-LxS36-CP**

**Configuration memory for LxS36**

**Dimensioned drawing**

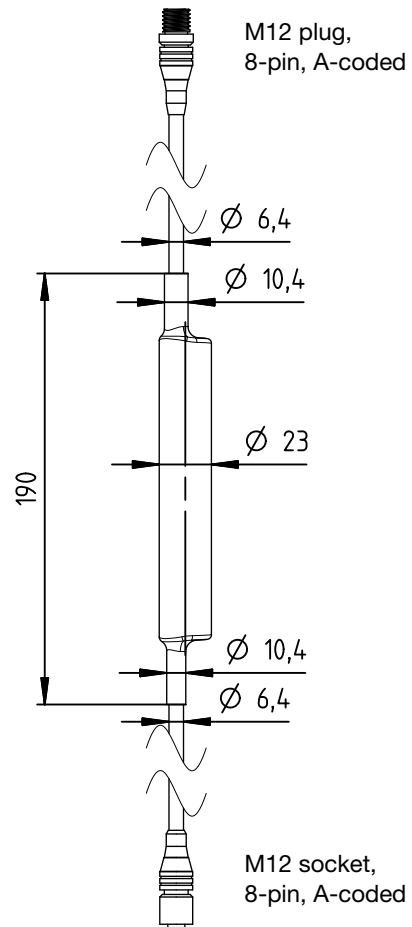
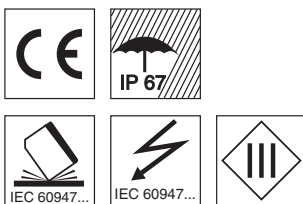


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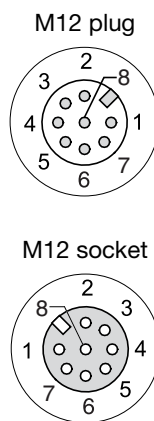


- Configuration memory for light section sensors of series
  - LPS 36
  - LES 36
  - LRS 36
- Fail-safe saving of the device configuration
- Automatic transfer of the configuration data to the new device in the event of a device exchange
- Can be used with sensor firmware V01.52 and higher
- Degree of protection IP 67

We reserve the right to make changes • DS\_KDSM12A\_LXS36CP\_en\_50125732\_01.fm



**Electrical connection**



**M12 connector, 8-pin, A-coded**

Pin No.	X1 - logic and power Signal
1	+18 ... 30VDC
2	InAct (activation)
3	GND
4	OutReady (ready)
5	InTrig (trigger)
6	OutCas (cascading)
7	do not connect
8	do not connect

The configuration memory is connected to connection X1 of the light section sensor. It lengthens the existing connection cable by 750 mm.

## Specifications

### Electrical data

Operating voltage	18 ... 30VDC (incl. residual ripple)
Residual ripple	≤ 15% of $U_B$
Open-circuit current	≤ 10mA <sup>1)</sup>

### Mechanical data

Housing	polyolefin (PO-X), polyurethane (PUR)
Weight	620g
Connection type	M12 connector, 8-pin

### Environmental data

Ambient temp. (operation/storage)	-30°C ... +50°C/-30°C ... +70°C
Protective circuit <sup>2)</sup>	1, 2, 3
VDE safety class	III, protective extra-low voltage (PELV)
Protection class	IP 67
Standards applied	IEC 60947-5-2

1) plus current consumption of the connected light section sensor

2) 1=transient protection, 2=polarity reversal protection, 3=short circuit protection for all outputs

## Remarks

### Operate in accordance with intended use!

- ⚠ This product is not a safety sensor and is not intended as personnel protection.
- ⚠ The product may only be put into operation by competent persons.
- ⚠ Only use the product in accordance with the intended use.

## Order guide

	Designation	Part no.
Configuration memory	K-DS M12A-8P-0.75m-LxS36-CP	50125541

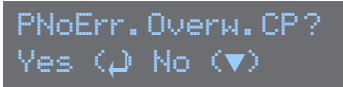
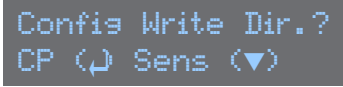
## Operating information

The light section sensors of series LPS 36, LES 36 or LRS 36 are configured during commissioning via a PC with the LPSsoft, LESsoft or LRSsoft programs before they are integrated in the process control (see technical description of the respective sensor).

During this process, up to 16 different measurement tasks (inspection tasks), each with an individual configuration, can be stored in each device.

The LxS configuration memory offers the possibility to back up this extensive data externally and to automatically transfer the data to a new sensor should device replacement be necessary. The newly installed light section sensor then starts automatically (without being previously configured by means of PC and LxSsoft) with the same settings as its predecessor.

### Case distinctions:

Configuration memory	Light section sensor	Action
Delivery state (no data saved)	The sensor contains settings.	The sensor settings are transferred to the configuration memory.
Delivery state (no data saved)	The sensor is in the delivery state.	The sensor settings are transferred to the configuration memory.
The configuration memory contains data.	The sensor is in the delivery state.	<p><b>Same sensor (part number):</b> The configuration memory transfers its data to the sensor. The sensor starts automatically with these settings.</p> <p><b>Other sensor (different part number):</b> The following message appears on the sensor display</p>  <p>This must be answered within three minutes, otherwise the sensor switches to the error state. In that case, process mode is not possible.</p>
The configuration memory contains data.	The sensor contains settings.	<p><b>Same sensor (part number):</b> The following message appears on the sensor display</p>  <p><b>CP:</b> Sensor data is written to the configuration memory. <b>Sens:</b> Configuration memory data is written to the sensor.</p> <p>The query must be answered within three minutes, otherwise the sensor switches to the error state (Error 01100). In that case, process mode is not possible.</p>



#### Notice

If the configuration memory is connected, any change to the sensor settings, via LxSsoft software or via Ethernet command, is immediately copied to the configuration memory.  
Please note that the response times are extended by the storage time if the configuration memory is connected. This time is between 300ms and 1.5s.



#### Notice


The inspection task is NOT selected through the configuration memory. The active inspection task is selected through the control inputs, the command interface or via the display.

**Notice**


*In the event of device exchange, it should be ensured that brand-new sensors are connected. In case of doubt, please reset the sensor to factory settings.*

**Resetting the LxS 36 to factory settings**

The factory settings can be reset in three different ways:


- Hold down the  button while connecting the supply voltage
- Factory Setting menu item
- By means of the LxSsoft configuration software

As an example, the first of the methods mentioned above is described below:


- When applying the supply voltage, press the  button to reset the configuration of the LxS 36 to factory settings.

The adjacent safety prompt appears.

```
Really Reset?  
Yes (←) No (▼)
```

Pressing  interrupts the reset process; `reset canceled` appears in the display for approx. 2s. Afterward, the LxS 36 returns to measure mode.

```
reset canceled
```

Pressing  resets all parameters to the factory setting. All previously made settings are irretrievably lost. The message `reset done` appears in the display for approx. 2s. Afterward, the LxS 36 returns to measure mode.

```
reset done
```

You can select the resetting to factory settings also via LxSsoft.

- In the Configuration menu select the entry `Reset to Factory Settings`.

**Notice**

*The LxS configuration memory is only supported **for device firmware V01.52 and higher** of the light section sensors.*