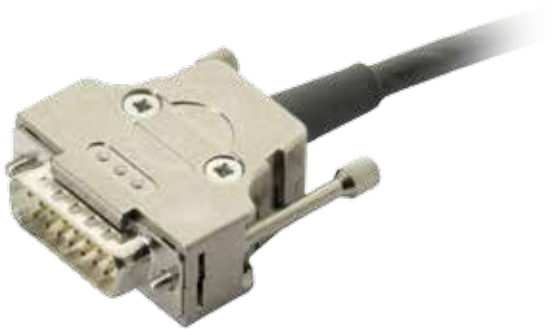
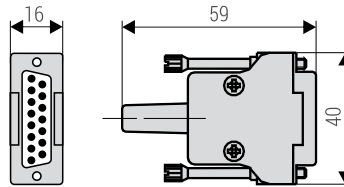


## MALE CONNECTORS, PIN ASSIGNMENTS

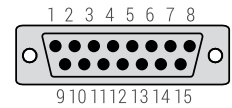
### 15-pin D-sub



**Dimensions**  
(LD15, male, 15-pin, weight: 25 g)



**Pin assignment**  
view on pins



Pin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Sinusoidal voltage signals 1 V <sub>pp</sub>	occupied	0 V sensor	occupied	RI	A2	A1	+5 V sensor	+5 V	0 V	S1*	S2*	RI	A2	A1	shield/ nc**
Square-wave signals via line driver	occupied	0 V sensor	US	RI	T2	T1	+5 V sensor	+5 V	0 V	S1*	S2*	RI	T2	T1	shield/ nc**

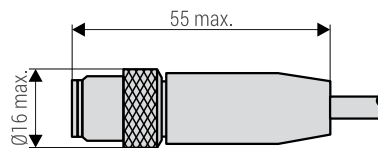
- Sensor: the sensor pins are bridged in the chassis with the particular power supply.
- \* version without switch signals (version 0) = nc.
- \*\* on the following devices the shield is NOT connected on pin 15 : MSA 373, MSA 374, MSA 375.
- Shield is connected with the chassis.
- Not connected pins or wires (nc) must not be used.

### 12-pin M12 connector

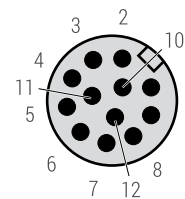
according to IEC 61076-2-101 LM012-Gxx-A



**Dimensions**  
(M12, male, 12-pin, weight: approx. 15 g)



**Pin assignment**  
view on pins



Pin	1	2	3	4	5	6	7	8	9	10	11	12
Sinusoidal voltage signals 1 V <sub>pp</sub>	+5 V	A1	A2	A2	S2*	occupied	RI	RI	occupied	A1	S1*	0 V
Square-wave signals via line driver	+5 V	T1	T2	T2	S2*	US	RI	RI	occupied	T1	S1*	0 V

- \* version without switch signals (version 0) = nc.
- Shield is connected with the chassis.
- Not connected pins or wires (nc) must not be used.