

PHSS30x

Protective housing for LDM30x

The housing PHSS30x is to protect the laser distance sensors of the LDM30x serie from humidity and dirt. It is made of very robust stainless steel (V2A), and it is perfectly suited to outdoor use. The window that has been adjusted to the laser's wavelength range can easily be cleaned.

The serial programming interface of the sensor is permanently available at an external port. Power supply and further signals are connected via cable lead-through at an internal terminal block. The sensor can be built in directly ex works. Customized, special versions are possible upon request.



Technical Data

- **Protection class**
IP 67/68 accordance with the connection type
- **Dimensions**
300 mm × 200 mm × 120 mm
(W × H × D, without ports)
- **Mounting**
4x M6, 260 mm × 220 mm
- **Weight**
3500 g (without built-in sensor)
- **Material**
Stainless steel (V2A)
- **Window material**
Special glass with anti reflex coating on both sides

Properties

- Protect the LDM30x from humidity and dirt
- Programming interface at an external port

Assignment of internal terminal

Terminal	Cable Color LDM30x	Assignment	Pins LDM30x Connector
1	Red	Not connected	H
2	White	TxD / RX+	A
3	Brown	RxD / RX-	B
4	Black	GND	J
5	Green	TRIG	C
6	Blue	VCC	G
7	Grey/Pink	GND	L
8	Yellow	IOUT	D
9	Grey	TX-	E
10	Pink	TX+	F
11	Red/Blue	Alarm 1	M
12	Purple	Alarm 2	K
PE	-	shield	-

Serial interface RS232 ¹⁾

Pin-Number	Color intern	Assignment
1	Brown	RxD
2	White	TxD
3	Blue	GND
4	Black	Not connected
5	Grey	Not connected

¹⁾ The connection interface is available only for sensors with RS232. The interface is protected with a cap against dirt. A programming cable can be ordered optionally.