



## Data sheet

# SERVOLASER Xpert

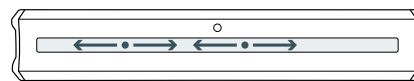
## Laser projection system with movable laser modules

### Features

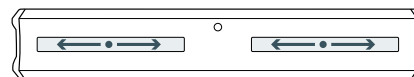
- Free combination of red and green fixed or moving modules
- Moving ranges from 600 mm up to 2600 mm
- Class 2 laser modules with power control
- Projection accuracies from 0.18 mm at a distance of one meter
- Modules move with up to 1000 mm/s
- Interfaces for EtherNet/IP, ProfiNet and Modbus/TCP

### Configurations

SERVOLASER Xpert offers one or two movable laser lines in one housing, optionally in combination with a fixed center laser.

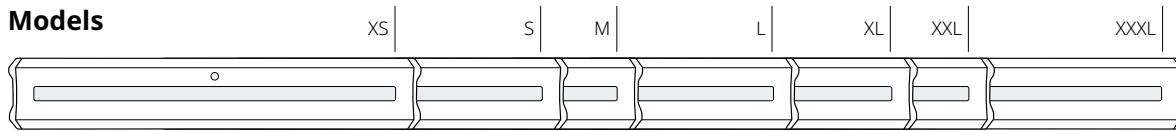


Max Range



Symmetrical

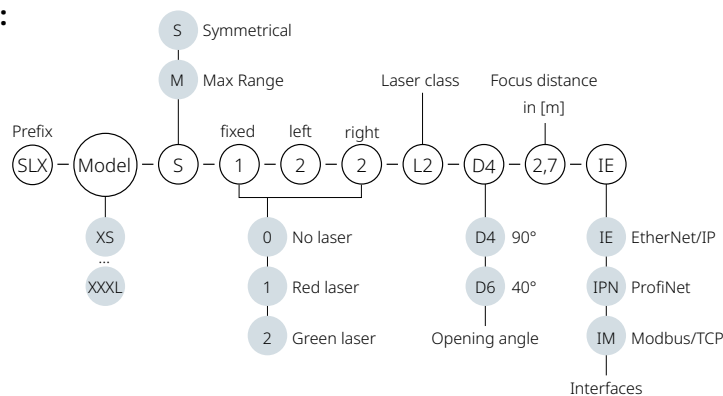
## Models



	XS	S	M	L	XL	XXL	XXXL
<b>Moving range</b>	600 mm	1000 mm	1200 mm	1600 mm	1900 mm	2100 mm*	2600 mm*
<b>Dimensions (L)</b>	1004 mm	1424 mm	1604 mm	2024 mm	2324 mm	2504 mm	2984 mm
<b>Dimensions (W × H)</b>	177 × 192 mm						
<b>Laser modules</b>	1 or 2 movable line lasers, one additional fixed center laser optional						
<b>Laser color</b>	red (635 nm), green (520 nm)						
<b>Laser power</b>	1–40 mW (dimmable)						
<b>Laser class</b>	2						
<b>Opening angle</b>	90°, 40° optional						
<b>Line width</b>	0.2–0.6 mm (FWHM) at 1–4 m focus distance						
<b>Moving speed of modules</b>	up to 1000 mm/s						
<b>Projection accuracy</b>	±0.18–±0.5 mm**						
<b>International protection rating</b>	IP 54						
<b>Ambient temperature</b>	0–40 °C						
<b>Power supply</b>	24 V DC						
<b>Interfaces</b>	EtherNet/IP, ProfiNet, Modbus/TCP						

\*only applies to Max Range  
 \*\*depending on the travel length, projection distance 1,0–2,8 m

## Product code:



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