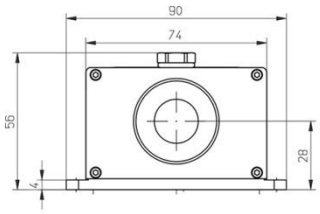
Specifications
Line laser

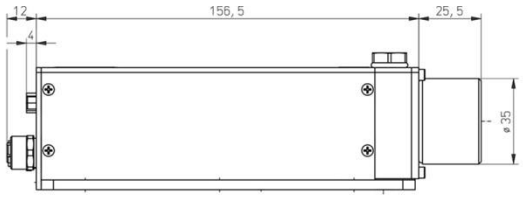
Technical data	
Input voltage	24 V DC
Max Input current	<1A
Connection	M12, 4-pin, A-coded

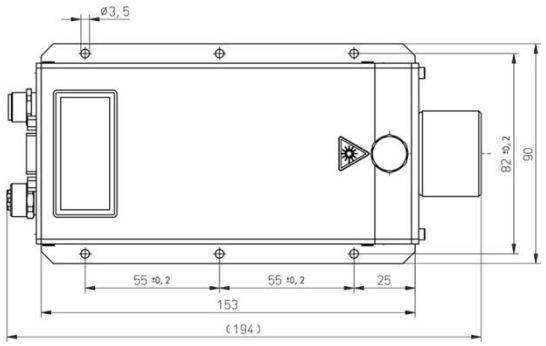
Interface		
Interface	Ethernet	Monitoring
Plug	M12, 4-pin, D-coded	9-pin D-Sub-socket

Ambient conditions	
Operation	0 – 40 °C
Humidity	max. 60%
Storage	-10 bis 70 °C
Ip code (IEC60529)	IP40

Dimensions and weight	
length x width x height	194 x 90 x 56 mm
Weight	ca. 1 kg







					selectable options				
Wavelength (nm)	Output (mW)	Opening angle (°)	Laserclass	Designation	T	LC*	SIS*	BXXXN*	BXXXF*
405	700	20	3B*	LL405-20	T	LC	SIS	BXXXN	BXXXF
405	700	40	3B*	LL405-40	T	LC	SIS	BXXXN	BXXXF
405	700	60	3B*	LL405-60	T	LC	SIS	BXXXN	BXXXF
405	700	75	3B*	LL405-75	T	LC	SIS	BXXXN	BXXXF
450	700	20	3B*	LL450-20	T	LC	SIS	BXXXN	BXXXF
450	700	40	3B*	LL450-40	T	LC	SIS	BXXXN	BXXXF
450	700	60	3B*	LL450-60	T	LC	SIS	BXXXN	BXXXF
450	700	75	3B*	LL450-75	T	LC	SIS	BXXXN	BXXXF
635	700	20	3B*	LL635-20	T	LC	SIS	BXXXN	BXXXF
635	700	40	3B*	LL635-40	T	LC	SIS	BXXXN	BXXXF
635	700	60	3B*	LL635-60	T	LC	SIS	BXXXN	BXXXF
635	700	75	3B*	LL635-75	T	LC	SIS	BXXXN	BXXXF
675	500	20	3B	LL675-20	T	LC	SIS	BXXXN	BXXXF
675	500	40	3B	LL675-40	T	LC	SIS	BXXXN	BXXXF
675	500	60	3B	LL675-60	T	LC	SIS	BXXXN	BXXXF
675	500	75	3B	LL675-75	T	LC	SIS	BXXXN	BXXXF

Focus distance
The laser systems can be ordered with any focal distance in 10mm increments.

T
Describes whether the laser radiates horizontally or vertically. With T in the laser designation the system emits "vertical". T can be combined to any designation. (e.g. see "* line width")

*** Linewidth (SIS / LC / BXXXN and BXXXF)**
The line width can be ordered in three different variants. The variants are mutually exclusive (if SIS is selected neither LC nor BXXXN / BXXXF can be selected).

Possible combinations are *LL450-20 T SIS* or *LL 635-60 B250F* or *LL405-40 T LC*.

Combinations such as LL675-75 SIS B400F are **not possible** here are 2 selected attributes which exclude each other, SIS and B400F

SIS	The laser is set to the smallest possible beam radius for the specified working distance.
LC	Exclusively for IMS Messsysteme GmbH: This variant is to be selected for the LasCon systems. The laser is expanded to 500µm beam radius. The focus is behind the working distance.
BXXXN und BXXXF	XXX corresponds to the set beam radius w at the working distance. The B stands for width. The appendix N (near) and F (far) defines whether the actual minimum focus is before or after the working distance. N for before working distance. F for behind the working distance. B250F → 250µm beam radius with the focus behind the working distance, that means the focus is on the installation position at the top, below the passline.

Document information	
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Author	Holger Sauerzapf
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