LINOS Motorized Beam Expander

2x – 8x, 340 – 360nm, fused silica

Part number	4401-634-000-20 4401-634-000-21		
Design wavelength	λ	(nm)	355
Expansion	Γ’		2x – 8x
Lens material			Fused Silica
Material			Aluminum, colorless anodized; Premium Steel
Mechanical entrance aperture diameter		(mm)	15.5
Max. entrance beam diameter ($1/e^2$) for magnification $2.0 \leq \Gamma \leq 5.0$	Emax Ø	(mm)	6.0
Max. entrance beam diameter ($1/e^2$) for magnification $5.0 \leq \Gamma \leq 6.0$	Emax Ø	(mm)	5.15
Max. entrance beam diameter ($1/e^2$) for magnification $6.0 < \Gamma \leq 7.0$	Emax Ø	(mm)	4.4
Max. entrance beam diameter ($1/e^2$) for magnification $7.0 < \Gamma \leq 8.0$	Emax Ø	(mm)	3.85
Max. exit beam diameter ($1/e^2$)		(mm)	30.9
Group delay dispersion at λ	GDD	(fs^2)	1906
Pointing Stability		(mrad)	< 0.5
Total transmission @ 340-360nm	T	(%)	> 96
Overall cleanliness of the system in accordance with DIN ISO 10110, viewed from the outlet side			15/ 10x0.1 L 4x0.01 (at 8x magnification)
LIDT coating @ 355nm, 6ns, 100Hz		(J/cm^2)	4
LIDT coating @ 343nm, 200fs, 1kHz		(J/cm^2)	0.4
Weight		(kg)	1.0
Protective glass	PG		4401-516-006-00
Interface/protocol: 4401-634-000-20			SubD9 / RS232
Interface/protocol: 4401-634-000-21			Phoenix Contact / RS232

Subject to technical change

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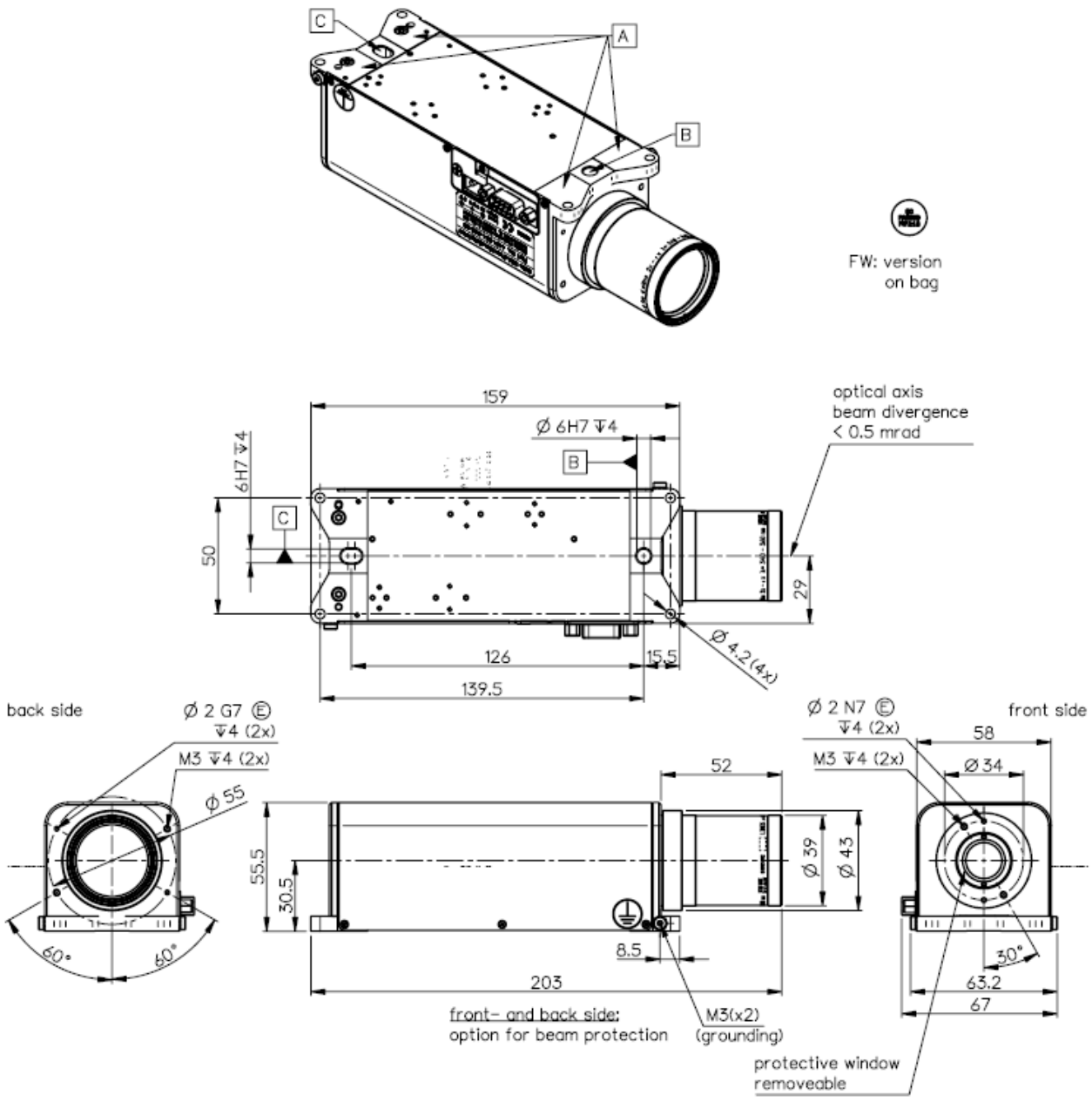
Mechanical drawing: 440-634-000-20



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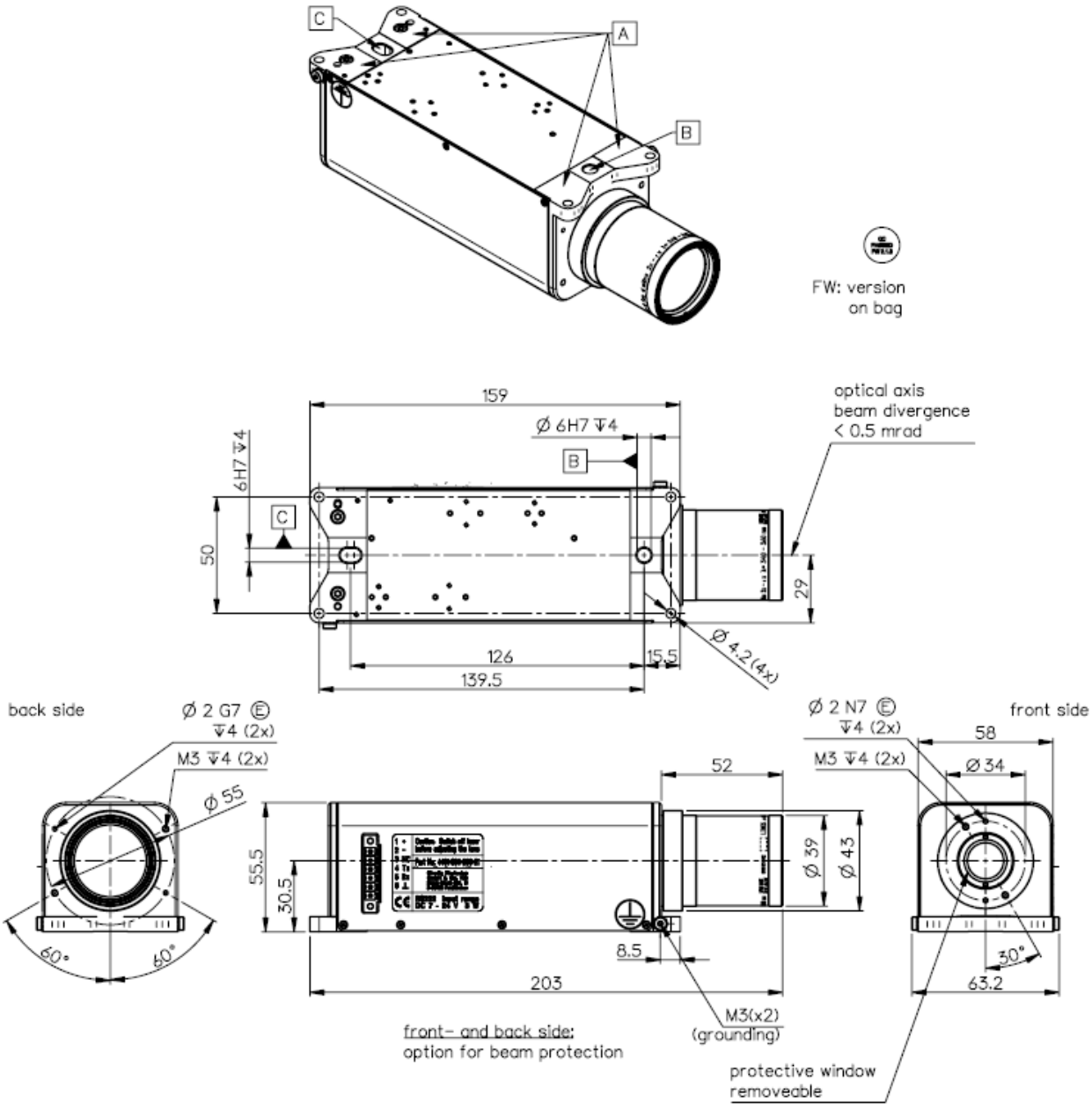
Mechanical drawing: 440-634-000-21



Notes

For technical explanations, see our homepage.

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