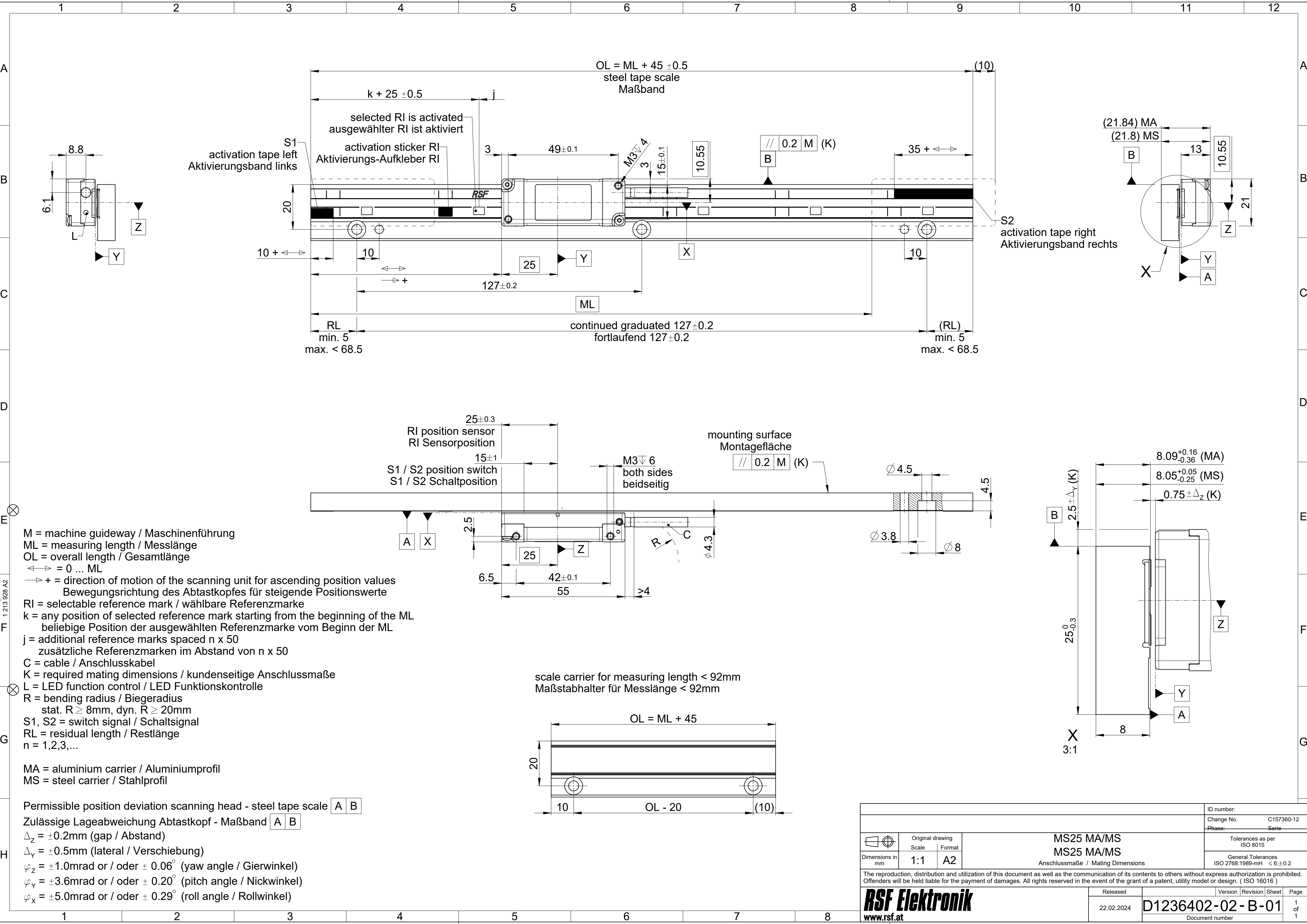




M = machine guideway / Maschinenführung
ML = measuring length / Messlänge
OL = overall length / Gesamtlänge
↔ = 0 ... ML
→ + = direction of motion of the scanning unit for ascending position values
Bewegungsrichtung des Abtastkopfes für steigende Positionswerte
RI = selectable reference mark / wählbare Referenzmarke
k = any position of selected reference mark starting from the beginning of the ML
beliebige Position der ausgewählten Referenzmarke vom Beginn der ML
j = additional reference marks spaced n x 50
zusätzliche Referenzmarken im Abstand von n x 50
C = cable / Anschlusskabel
K = required mating dimensions / kundenseitige Anschlussmaße
L = LED function control / LED Funktionskontrolle
R = bending radius / Biegeradius
stat. R ≥ 8mm, dyn. R ≥ 20mm
S1, S2 = switch signal / Schaltsignal
RL = residual length / Restlänge
n = 1,2,3,...

MA = aluminium carrier / Aluminiumprofil
MS = steel carrier / Stahlprofil

Permissible position deviation scanning head - steel tape scale

A	B
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Zulässige Lageabweichung Abtastkopf - Maßband

A	B
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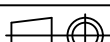
$\Delta_z = \pm 0.2\text{mm}$ (gap / Abstand)

$\Delta_y = \pm 0.5\text{mm}$ (lateral / Verschiebung)

$\varphi_z = \pm 1.0\text{mrad}$ or / oder $\pm 0.06^\circ$ (yaw angle / Gierwinkel)

$\varphi_y = \pm 3.6\text{mrad}$ or / oder $\pm 0.20^\circ$ (pitch angle / Nickwinkel)

$\varphi_x = \pm 5.0\text{mrad}$ or / oder $\pm 0.29^\circ$ (roll angle / Rollwinkel)

				ID number:					
				Change No.		C157360-12			
				Phase:		Serie			
		Original drawing Scale Format		MS25 MA/MS MS25 MA/MS Anschlussmaße / Mating Dimensions		Tolerances as per ISO 8015			
Dimensions in mm		1:1 A2				General Tolerances ISO 2768:1989-mH ≤ 6±0.2			
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				Released		Version Revision Sheet Page			
				22.02.2024		D1236402-02 - B-01		1 of 1	
						Document number			