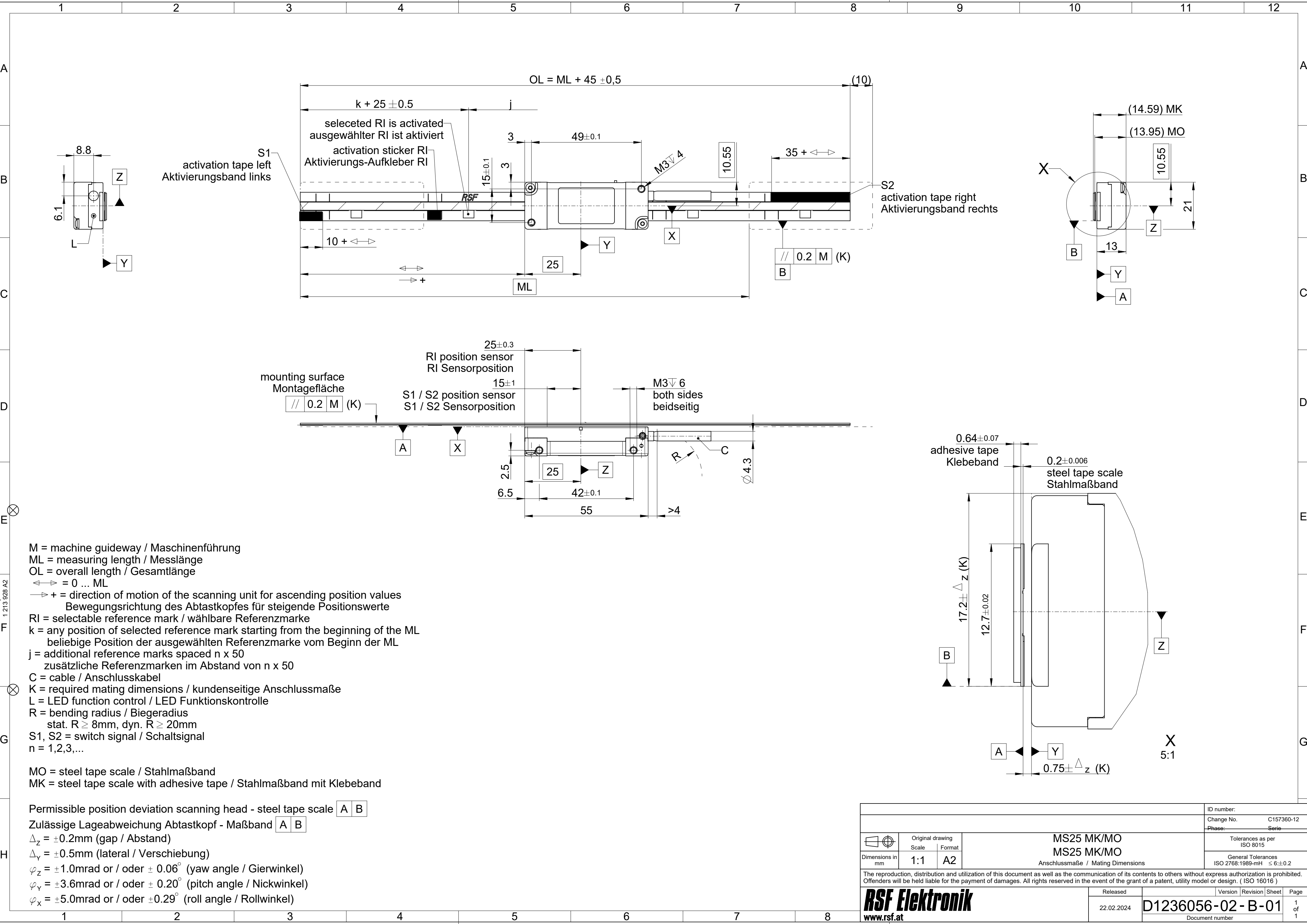




M = machine guideway / Maschinenführung
ML = measuring length / Messlänge
OL = overall length / Gesamtlänge
↔ = 0 ... ML
→ + = direction of motion of the scanning unit for ascending position values
Bewegungsrichtung des Abtastkopfes für steigende Positionswerte
RI = selectable reference mark / wählbare 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
n = 1,2,3,...

MO = steel tape scale / Stahlmaßband
MK = steel tape scale with adhesive tape / Stahlmaßband mit Klebeband

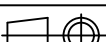
Permissible position deviation scanning head - steel tape scale

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		MS25 MK/MO MS25 MK/MO Anschlussmaße / Mating Dimensions					
	Scale	Format						
	Dimensions in mm	1:1	A2	Tolerances as per ISO 8015 General Tolerances ISO 2768:1989-mH ≤ 6:±0.2				
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 www.rsfi.at			Released		Version	Revision	Sheet	Page
			22.02.2024		D1236056-02 - B-01			1
								of
					Document number			1