



M = machine guideway / Maschinenführung  
 ML = measuring length / Messlänge  
 OL = overall length / Gesamtlänge  
 $\leftrightarrow$  = 0 ... ML  
 ⊙ = beginning of the measuring length / Beginn der Messlänge  
 RI = reference mark(s) / Referenzmarke(n)  
 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 space 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,...

GO = glass scale / Glasmaßstab  
 GK = glass scale with adhesive tape / Glasmaßstab mit Klebeband  
 BO = glass ceramic scale / Glaskeramikmaßstab  
 BK = glass ceramic scale with adhesive tape / Glaskeramikmaßstab mit Klebeband

Permissible position deviation scanning head - glass scale 

A	B
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 Zulässige Lageabweichungen Abtastkopf - Glasmaßstab 

A	B
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 $\Delta_z = \pm 0.2\text{mm}$  (gap / Abstand)  
 $\Delta_y = \pm 0.5\text{mm}$  (lateral / Verschiebung)  
 $\varphi_z = \pm 0.25\text{mrad}$  or / oder  $\pm 0.014^\circ$  (yaw angle / Gierwinkel)  
 $\varphi_y = \pm 5.00\text{mrad}$  or / oder  $\pm 0.29^\circ$  (pitch angle / Nickwinkel)  
 $\varphi_x = \pm 5.00\text{mrad}$  or / oder  $\pm 0.29^\circ$  (roll angle / Rollwinkel)

Original drawing		MS35 GK/GO/BK/BO		ID number:	C157360-13
Scale		MS35 GK/GO/BK/BO		Change No.	1
Format		Anschlussmaße / Mating Dimensions		Phase:	Serie
Dimensions in mm	1:1	A2		Tolerances as per ISO 8015	
				General Tolerances ISO 2768:1989-mH ≤ 6:±0.2	
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