

AMSA-4A

- 25

-948

-S

1

-SU

Ordering information

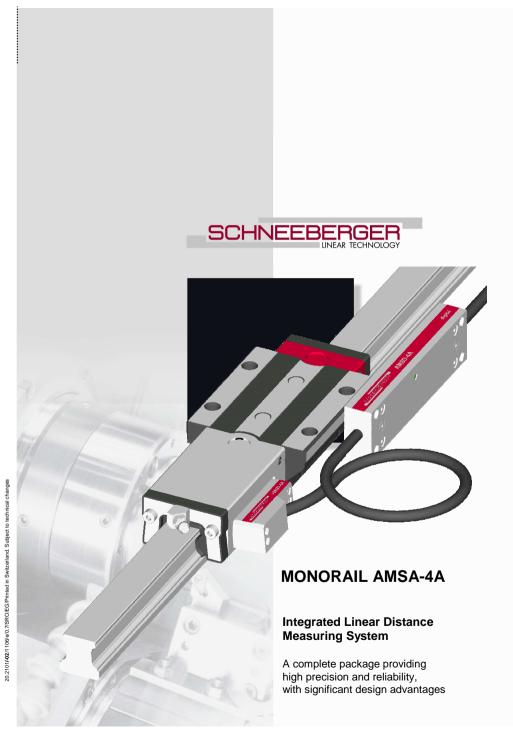
number					
Туре	AMSA-4A				
Size	15, 20, 25, 3				
Length in mm	(Magnetised				
Def merli	C Deference				

Number

Size	15, 20, 25, 30, 3	35, 45					
Length in mm	(Magnetised ler	ngth)					
Ref. mark	S Reference ma C Distance code K Customer spe	ed		sary)			
Cable Interface	MU SU RU OO	3 m cat 3 m cat	able with moun ble with plug-in ble with plug-in is to be supplie	connect Connect	tor 12-po tor 12-po	le exte	ernal thread

Spare parts

584 101 070	Scanning unit SMA 4A-SU
584 101 071	Scanning unit SMA 4A-MU
584 101 072	Scanning unit SMA 4A-RU

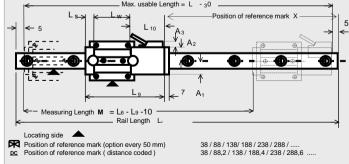




The integrated system AMSA-4A for Ball MONORAIL

AMSA-4A	The magnetoresistive measurement technology is n Ball MONORAIL	ow also available for the SCHNEEBERGER	Technical Data	Mate	characteris	9		netic periodi	ic N - S divisio	on		
	 Excellent system accuracy providing a 200µm si Single readhead for all sizes BM15 - BM45 Optional direct digital readhead output Can be operated with the self lubrication cartriges Length up to 6000mm (BM25 - BM 45) The used sensors, electronics and scale are based 	3		Signal period Referece marks Max. length Accuracy Accuracy class Periodic deviation Resolution Hysteresis Movement			200 μm every 50 mm, distance-coded, customer-specific 6000 mm +/- 5 μm / 1000 mm +/-2 μm / 40 mm +/- 0,7 μm 0,0625 - 4 μm in Verbindung mit SMEa < 0,5 μm - 1 μm 3 m/s					
Reduced With the MONORAIL AMSA-4A Schneeberger provuluique advantages in complexity and unique advantages in minimized process				Max. speed Max. accelaration Environment Protection class Operating temperature				C				
	Accuracy	Installation and setup		Storage temperature Vibration / Schock			-20°- +70°C 30 g					
 The expansion coefficient is the same as steel Good thermal coupling with the base Measuring close to the working process Optimum alignment of the measurement syste Vibration- and shock-resistant 	 Delivered complete to the customers specification and ready for installation No alignment required No additional brackets or machining The integrated system means simple and easy installation and setup process. 		Interfaces analog digital Power supply Current demand			Voltage interface 1 Vpp, 11 µApp A quad B signal with error signal in combination with SMEa Direct Outputs in preparation 5 +/- 0,25 V 40 mA per reading head						
	Your design process	Service and maintainance		BM size	Lw BMA/BMC	Lw BMB/BMD	Ls	L9 BMA/BMC	L9 BMB/BMD	L10	A1,A2	Аз
	Space-saving system	 Single readhead covers all rail sizes Simple and precise exchange of 		15	42.8		8,5	117		66	21,5	17,5
	Short construction time, no special fitting is	measuring-head by means of two fixing		20	53,6	69,5	11	133,6	149,5	69	23	17,5
	necessary Short thermal distances to the machine	screws The system is sealed against dust and		25	64,3	83,3	12,5	145,8	164,8	69	23,5	17,5
	spindle	liquids		30	75	97	14	161	183	72	29	14,5
		 Resistant to oils, greases and coolants Measuring scale is corrossion resistant 		35	86	111,5	16	176	201,5	74	34	10
		Cover strip protects the measurement scale against damage from swarf and		45	107	138,5	19	204	235,5	78	42	5
		through handling 100% interchangeability of components Insensitive to all kind of contamination and 			Ls		Max. usable	E Length = L	- 30 Position of r	reference r	nark X	

dirt



Standard configuration including AMSA-housing with additional integrated wipers