5.7 SLG 43

Application area

The SLG 43 is a high-performance read/write device. This SLG is particularly suitable for use with large MDS types (i.e., MDS 506/MDS 439 E). The size of its transmission window is one of its primary features. The physical tolerances of conveyor systems can be well compensated for with this transmission window. In dynamic operation, the large transmission window permits large amounts of data to be read from or written to the MDS. See chapter 3.4.

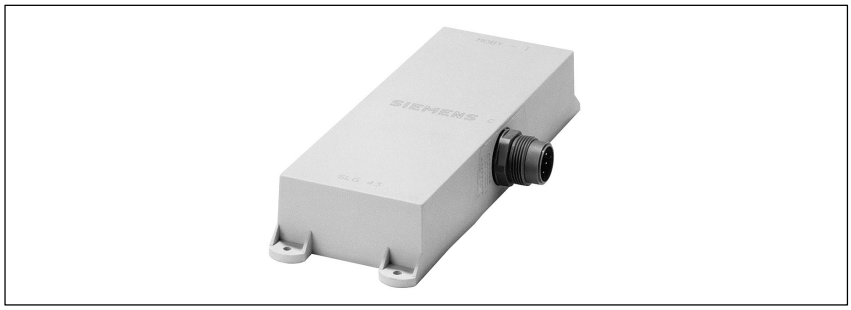


Figure 5-28 Read/write device SLG 43

Ordering data

Table 5-17 Ordering data for SLG 43

Read/write device SLG 43 up to 150 mm (high power)	6GT2 001-0CA10
SLG plug connector and stub lines	See chapter 3.10

Technical data

Table 5-18 Technical data of SLG 43

Inductive interface to MDS	
Data transmission speed	19200 baud
Read/write distance SLG to MDS (max.)	150 mm (see field data table)
Transmission frequency	
• Power	134 kHz
• Data	1.81 MHz
Serial interface to ASM	6-pin SLG plug connector in acc. w. DIN 43651
Transmission speed	19200 baud, RS 422
Line length, ASM to SLG (max.) at 24 V DC	85 m
Supply voltage (via serial interface)	
Nominal value	24 V DC
Permissible range	21 to 30 V DC
Current consumption	
Idle/operation	60 mA/250 mA

Table 5-18 Technical data of SLG 43

MTBF	2 x 10^6
Housing	
Dimensions in mm (W x H x D)	238 x 40 x 80
Color	Gray
Material	Polyamide 12
Plug connection	DIN 43651
Protection rating	IP65
Shock	50 g
Vibration	20 g
Mounting of SLG	4 M5 screws
Tightening torque (at room temperature)	≤ 2 Nm
Ambient temperature	
During operation	–25° to +70° C
During transportation and storage	–40° to +85° C
Weight (approx.)	800 g
Silicone free	Yes

Field data

The exact field data depend on the type of MDS used.

Table 5-19 Field data of SLG 43

Operating distance (S_a)	0 to 100 mm
Limit distance (S_g)	150 mm
Median deviation (L)	Depends on MDS
Minimum distance from SLG to SLG (D)	> 2000 mm

FCC information

Made in Germany

SIEMENS MOBY I SLG 43

THIS DEVICE COMPLIES WITH PART 15 OF THE FCC RULES: OPERATION IS SUBJECT TO THE FOLLOWING TWO CONDITIONS:

(1) THIS DEVICE MAY NOT CAUSE HARMFUL INTERFERENCE, AND (2) THIS DEVICE MUST ACCEPT ANY INTERFERENCE THAT MAY CAUSE UNDESIRED OPERATION.

Note

The manufacturer is not responsible for any radio or TV interference caused by unauthorized changes and modifications to this equipment:
Such modifications could void the user's authority to operate the equipment.

Transmission window

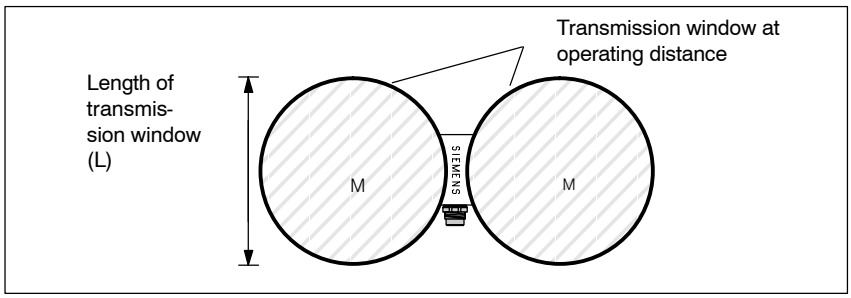


Figure 5-29 Transmission window of SLG 43

Metal-free space

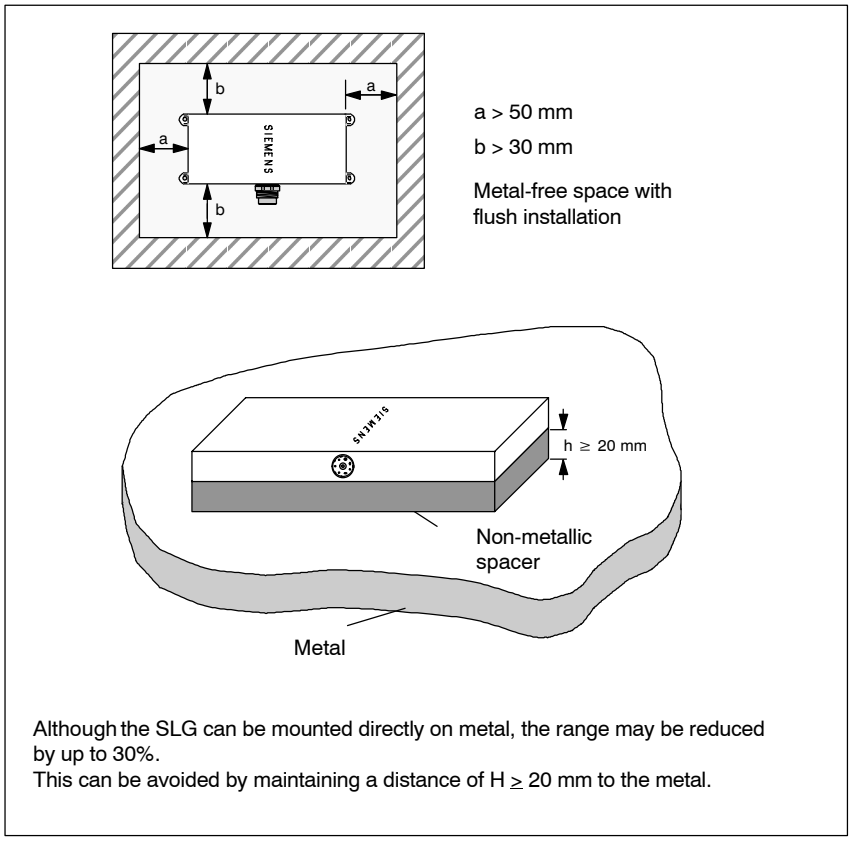


Figure 5-30 Metal-free space for SLG 43

Definition of distance D

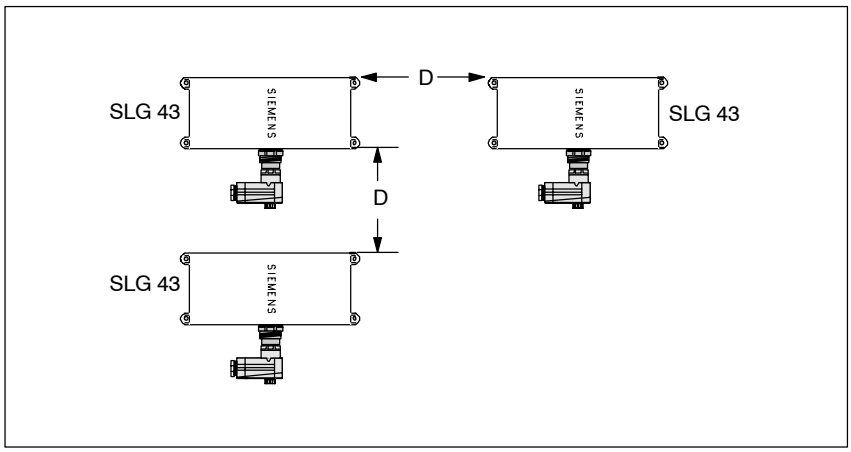


Figure 5-31 Distance D: SLG 43

Dimensions (in mm)

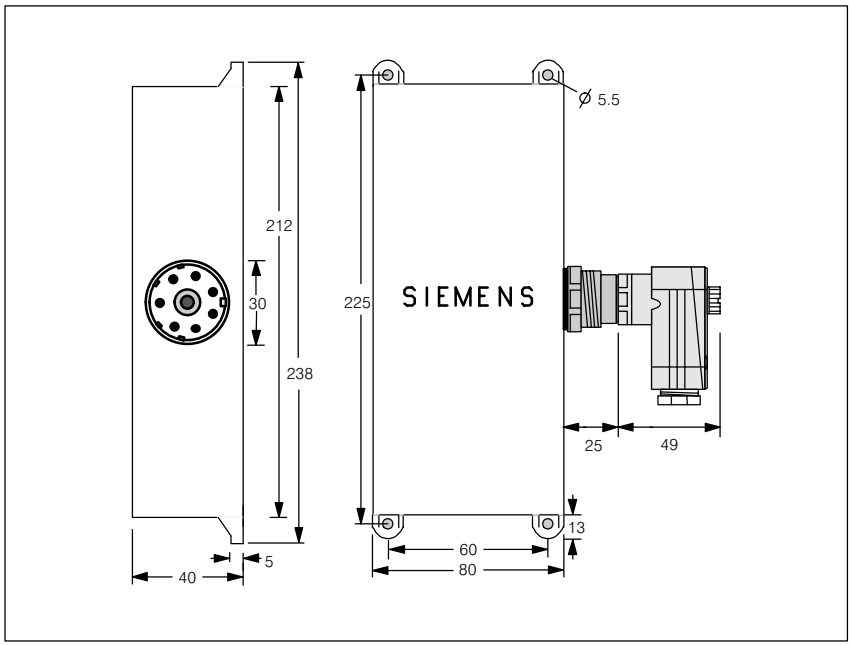


Figure 5-32 Dimensional diagram of SLG 43