



Shaft copying systems

Absolute positioning of the elevator car for travel heights up to 392 m.

The contactless absolute measuring system for shaft copying – also called shaft information or positioning system – has an extremely compact, very robust design. In addition to the sensor, which detects the position of the elevator car 100 % slip-free, it also includes the appropriate evaluation unit, a so-called Position Supervisor Unit (PSU). The safe system therefore consists of a SIL3-certified sensor and a suitable evaluation unit. This enables elevator and safety functions to be implemented in accordance with EN 81-20/21/50.

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Coded band



Mounting kit consisting of:
rail mounting, snap hook, tension spring, car mounting, mounting material



EMC shield terminal

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	Measuring length max. in m	Traverse speed in m/s	SIL3	EN 81-20/21/50	Incremental	Absolute	Resolution max. in mm	Dimensions in mm [inch]	CANopen Lift (DS417)	CANopen (DS406)	CAN	SSI	RS485	Protection level	Type of connection	Approvals
 <p>Ants Base Absolute measuring system for slip-free positioning Ants LEB02</p>	392	8	-	-	-	•	1	126 x 55 x 37 [4.96 x 2.71 x 1.46]	•	-	•	•	•	IP54	cable	
 <p>Ants Safe SIL3 certified solute measuring system for slip-free positioning Ants LES02</p>	392	12	•	•	-	•	0.5	126 x 55 x 37 [4.96 x 2.71 x 1.46]	-	•	-	-	-	IP54	cable	SIL3 EN 61
 <p>Safe System Realization of elevator and safety functions in compliance with EN 81-20/21/50 by the combination of Ants LES02 with evaluation unit PSU02</p>	392	12	•	•	-	•	0.5	116 x 96 x 31 [4.57 x 3.78 x 1.22] (evaluation unit)	•	-	•	-	-	IP20 (mounted in cabinet)	PicoMax (Push-In)	SIL3 EN 61