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SLG FRE 4400

Multi-tag Long Range Reader for the identification of 13,56 MHz tags in retail, industry and logistics

Product description:

- The FRE 4400 reader identifies transponders with an operating frequency of 13,56 MHz.

- Due to the used antennas, the FRE 4400 has a maximum reading/writing distance of 2 meters. So it is suitable outstandingly to be used in applications fields like retail, logistics and industry which call for great reading ranges and anti-collision function.

- FRE 4400 reader's anti-collision function facilitates simultaneous identification of up to 100 transponders per second even through packaging.

Features:

- Various antenna configurations with reading ranges up to 2 meters

- Buffered Read Mode, Notification Mode, Scan-Mode

- Multi-tag reader (ISO 15693, ISO 18000-3 and EPC HF)

- Interfaces: RS232, RS485, LAN, WLAN

- Interface compatibility to all ORBID i-scan® readers

- ORBID i-scan® Iso HOST Mode

- Also available as Reader unit (without housing)

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Technical specification:	
Dimensions (WxHxD):	180 x 330 x 120 mm
Housing:	Plastic (black)
Weight:	approx. 2,4 kg
Protection class:	IP 54
Power supply:	- 24 V DC +/- 15% - Noise Ripple: max. 150mV
Power consumption:	max. 32 VA
Operating frequency:	13,56 MHz
Transmit power:	2 W – 12 W (0.25 W steps, Software configurable)
Modulation:	10% - 30% and 100% (Software configurable)
Antenna connection:	1 x SMA jack (50 Ohm)
DC Supply at antenna connector:	8 V DC max. 150 mA
Diagnostic options:	- internal VSWR-Meter - internal temperature monitoring
Outputs:	- 1 x Optocoupler: 24 V DC / 30 mA - 1 x Differential output: Reader synchronization - 1 x Relay (1 x Changeover): 24 V DC / 2 A
Inputs:	- 1 x Optocoupler: max. 24 V DC / 20 mA - 1 x Differential input: Reader synchronization
Interface:	- RS232 and RS485/RS422 - LAN (802.3) - WLAN (802.11b)
Protocol modes:	ISO HOST, Scan-Mode, BRM (Data filtering and data buffering), Notification Mode
Supported transponders:	- ISO 15693, ISO 18000-3-A (EM HF ISO chips, Fujitsu HF ISO chips, KSW Sensor chips, Infineon my-d, NXP I-Code, STM ISO chips, TI Tag-it) - NXP I-Code1, I-Code UID, I-Code EPC
Signal generator:	6 LED's for operating status diagnostics
Temperature range:	- Operation: -20°C up to +55°C - Storage: -25°C up to + 85°C
Humidity:	-5 – 80% (no condensation)
Order number:	E4001.000157.BF **FRE 4400** E4002.000165.BF **FRE 4000 – without housing**