LECTUS duo 3000 classic line

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Invented for life

- ▶ RS485/OSDP and 26 Bit Wiegand interface
- ▶ For use with MIFARE classic cards and key-fobs
- ▶ IP65 rated for indoor and outdoor use
- ▶ Wall or mullion mount
- ▶ Tamper switch

System overview

The LECTUS duo 3000 classic line consists of two readers for MIFARE classic cards and transponders. They support the data record of Bosch coded MIFARE credentials and the CSN of ISO14443A cards as well. Both readers provide a 26 Bit Wiegand and RS485/OSDP host interface, selectable easily by DIP switch. When operating in RS485/OSDP mode up to eight readers can be connected to a respective controller, e.g. AMC2-4R4. Reader address is settable via four DIP switches individually. Running in that mode readers can be easily supervised.
Three LED indicators and a beeper give clear feedback to the user during operation. The reader's logo is illuminated in the dark. The reader is IP65 rated and fits for indoor and outdoor use.

Technical specifications

Electrical characteristics

Input voltage	8.5 V to 16 Vdc – max. 18 Vdc

Input power	> 2.4 W (200 mA @ 12 Vdc) Max.: > 3.5 W (290 mA @ 12 Vdc)

Operational Characteristics

Tamper output	Open collector, active low, 32 mA max sink current. Optical Technology
Wiegand D0 output	5 V (TTL)
Wiegand D1 output	5 V (TTL)
Green LED control input	Active low
Red LED control input	Active low
Buzzer control input	Active low
RS485	OSDP protocol
Wiegand IF	D0/D1 Wiegand protocol
Keypad	LECTUS duo 3000 C: none LECTUS duo 3000 CK: 2x6

Environmental Characteristics

Operating environment	Indoor and outdoor use - all weather.
Operating temperature	-25 ℃ to 65 ℃ (-13 ℉ to 150 ℉)

Operating humidity	0 to 95% (Non-condensing)
IP rating	IP65
UV-light resistant	Yes

MIFARE & Cards Specification

Read range - ISO cards	> 6 cm (2.36 in.)
Key fob	> 2 cm (0.78 in.)
Supported cards	MIFARE 13.56 MHz ISO 14443 Type A
Anti-collision support	Yes
NXP chips supported	MF1ICS20 - 320 byte MF1ICS50 - 1K MF1ICS70 - 4K

MIFARE MAD, CSN Support

The reader follows the MAD rules	
Reads INIT CSN	Yes
Reads CSN after non-detection of MAD information	Yes

Physical Characteristics

Dimensions (L x W x D)	137 mm x 44 mm x 27.5 mm (approx. 5.39 in. x 1.73 in. x 1.08 in.)
Weight	Approx. 220 g (0.5 lb)

Ordering information

LECTUS duo 3000 C
Proximity reader supporting data record of Bosch coded MIFARE classic cards and keyfobs and CSN of ISO14443A credentials, providing RS485/OSDP and 26 Bit Wiegand interface on same device, IP65 rated for indoor and outdoor use, wall or mullion mount.
Order number **ARD-AYBS6260**

LECTUS duo 3000 CK
Proximity reader supporting data record of Bosch coded MIFARE classic cards and keyfobs and CSN of ISO14443A credentials, providing RS485/OSDP and 26 Bit Wiegand interface on same device, IP65 rated for indoor and outdoor use, wall or mullion mount, 2x6 keypad.
Order number **ARD-AYBS6360**