

# 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 |
|---------------|-------------------------------|

|              |   |
|--------------|---|
| Current draw | 65 mA @ 12 Vdc<br>Max.: 130 mA @ 12 Vdc |
|--------------|---|

### Operational Characteristics

|                         |   |
|-------------------------|---|
| Tamper output           | Open collector, active low, 32 mA max sink current.<br>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<br>LECTUS duo 3000 CK: 2x6                        |

### Environmental Characteristics

|                       |                                       |
|-----------------------|---------------------------------------|
| Operating environment | Indoor and outdoor use - all weather. |
|-----------------------|---------------------------------------|

|                       |                                    |
|-----------------------|------------------------------------|
| Operating temperature | -25 °C to 65 °C (-13 °F to 150 °F) |
| 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<br>ISO 14443 Type A                  |
| Anti-collision support | Yes   |
| NXP chips supported    | MF1ICS20 - 320 byte<br>MF1ICS50 - 1K<br>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<br>(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**

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