

VR Mullion readers

VR20M-MF and VR50M-MF



Overview:

Modern attractive looking and hardwearing materials which endure the most challenging weather conditions. Multicolour programmable light frame on all readers which enhance the look and functionality of the reader. The customer can choose colours for each outcome and rest state.

Key Features include:

- ✓ Multicolour LED light frame
- ✓ Auto dim in reduced light
- ✓ OSDP or Wiegand connectivity
- ✓ MIFARE card technology including EV1 and EV2
- ✓ Hardwearing materials
- ✓ IK class 08 and -40°C to +70°C temperature
- ✓ Easy to mount and connect
- ✓ Card, card and pin, and pin only functionality



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Functionalities:

Executively designed card readers for modern security. Hardwearing materials which endure extreme weather conditions and a host of domestic detergents. Multicolour light frame on all readers

The readers automatically dim in reduced lighting to save power and reduce glare.

The readers support OSDP which prevents the hacking of the wiegand signal which has become so easy to do.

The latest MIFARE EV1 and EV2 cards are supported with many people now choosing EV2 because of better read range.

Ordering Information:

| Type | Part no | Description | Weight* |
|----------|------------------|--|---------|
| VR20M-MF | V54504-F111-A100 | MIFARE mullion card reader | 280g |
| VR50M-MF | V54504-F112-A100 | MIFARE mullion card reader with keypad | 300g |
| 3CT-KIT | V54504-S101-A100 | 3CT configuration card creation kit | 315g |

*Total weight of the product inclusive of the weight of its accessories and packaging.

Programming the reader is easily achieved using our special purpose 3CT kit. With this kit you can choose colours and assign them different functions. Setting encryption keys is also done through this kit. It creates configuration cards which can be used to update the readers.



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| Product/Technical Specification | VR20M-MF card reader | VR50M-MF card reader with keypad |
|---------------------------------|---|---|
| Protocol | OSDP / Wiegand | OSDP / Wiegand |
| Interface to controller | RS485 / Wiegand | RS485 / Wiegand |
| Operating voltage | 8.5 – 30.0 VDC | 8.5 – 30.0 VDC |
| Power consumption | DC 12V 50mA Peak 150mA DC 24V 35mA Peak 100mA | DC 12V 50mA Peak 150mA DC 24V,30mA Peak 100mA |
| Tamper protection | Yes | Yes |
| Card technology | MIFARE | MIFARE |
| Card compatibility | MIFARE Classic MIFARE Plus (UID only) MIFARE DESfire EV1, EV2 | MIFARE Classic MIFARE Plus (UID only) MIFARE DESfire EV1, EV2 |
| Indicators | 3 x LED (red/yellow/green) 1 x Buzzer Multicolour light frame | 3 x LED (red/yellow/green) 1 x Buzzer Multicolour light frame |
| Keypad | No | Yes |
| Display | No | No |
| IK class | 08 | 08 |
| Housing | Zinc casted metal bezel with polycarbonate plastic front | |
| Colour | Black, matt chrome | Black, matt chrome |
| Dimensions (W x H x D) | 48x129x22 | 48x129x24 |
| Approvals | CE according to R&TTE and EMC Directives, RED | |
| Temperature | -40°C to +70°C | |
| IP class | IP55 (IP66 pending) | |

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