

# 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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