# NGCR Family

New Generation Card Readers



#### **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
- Graphical OLED display
- OSDP or Wiegand connectivity
- MIFARE card technology including EV1 and EV2
- Hardwearing materials
- ✓ IK class 08 and temperature range of -40°C to +70°C
- Easy to mount and connect
- Card reader only or card reader with keypad and/or display variants







# **NGCR Family** New Generation Card Readers

### **Product/Technical Specification:**

ProtocolOSDPOSDP / WiegandInterface to controllerR5485R5485 / WiegandOperating voltage85 - 300 VDC85 - 300 VDCPower consumptionWR105-MF: DC 12V 43mA Peak 168mA DC 24V 26mA Peak 100mA VR50M-MF: DC 12V 50mA Peak 150mA DC 24V 26mA Peak 220mA DC 24V 30mA Peak 100mA VR50M-MF: DC 12V 50mA Peak 100mA VR50M-MF: DC 12V 50mA Peak 100mA VR50M-MF: DC 24V 30mA Peak 100mA VR50M-MF: NC 24V 30mA Peak 100mA NE NC 24V 30mA Peak 100mA VR50M-MF: NC 24V 30mA Peak 100mA NE NC 24V 40mA Peak 120mA NE NC 24V 40mA Peak 120mA NE NC 24V 40mA Peak 120mA NE NC 24V 40mA Peak 120mAProtocol0808HousingSim x 114mm x 22mmSom x 130mm x 22mm Approvals NC Directives RED FCC ULSigersNametonsSigma x 114mm x 22mmSigers Sigers CC CC 		Full-size Readers	Mullion Readers
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EMC Directives EMC Directives RED RED FCC FCC UL UL	Dimensions	85mm x 114mm x 22mm	50mm x 130mm x 22mm
Warranty 3 years 3 years	Approvals	EMC Directives RED FCC	EMC Directives RED FCC
	Warranty	3 years	3 years







<sup>1</sup> Only applicable to surface mounted readers. Back box mounted readers are specified from -10°C to +55°C.

<sup>2</sup> Only applicable to surface mounted readers. Back box mounted readers are specified to IP3X.





#### **Ordering Information:**

Туре	Art. No.	Description	Weight*
VR10S-MF	V54504-F101-A100	VR10S-MF MIFARE EV1 card reader	0.622kg
VR40S-MF	V54504-F102-A100	VR40S-MF MIFARE EV1 reader Keypad / Display	0.628kg
VR20M-MF	V54504-F111-A100	VR20M-MF MIFARE EV1 Mullion reader	0.296kg
VR50M-MF	V54504-F112-A100	VR50M-MF MIFARE EV1 Mullion with keypad	0.294kg



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

#### **Selected Accessories:**

Туре	Art. No	Description
3CT-KIT	V54504-S101-A100	3CT configuration card creation kit
SH5	V54504-H101-A100	SH5 Protection hood for VR10S-MF & VR40S-MF
EV10C1	V54515-Z140-A100	EV10C1 MIFARE DESFire EV2 ISO card

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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