



## Card readers

AR10S-MF AR11S-MF

AR40S-MF AR41S-MF



Executively designed card readers for modern security

- Hardwearing materials
- IK class 08 and IP55
- Mifare card technology
- Multicolour LED light frame
- Easy to mount and connect
- Card reader only or card reader with keypad and display variants
- Graphical OLED display

## Functionalities

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

The card readers are delivered with all components supporting two mounting alternatives:

- **Surface mounted** – The card reader is mounted on the base which is fastened on a wall.
- **Back box mounted** - The card reader is mounted partly inside a back box in a wall.

### ■ Details for ordering

Type	Part no	Designation	Weight*
AR10S-MF	S54504-F101-A100	Mifare card reader standard	500 g
AR11S-MF	S54504-F101-A200	Mifare card reader standard incl. UK adapter plate and extension cable	550 g
AR40S-MF	S54504-F102-A100	Mifare card reader standard with keypad and display	500 g
AR41S-MF	S54504-F102-A200	Mifare card reader standard with keypad and display incl. UK adapter plate and extension cable	550 g

\* Unit incl. Packing material, accessories that are included in the delivery, and documentation

Further products and accessories can be found in the Internet: [siemens.com/access](https://www.siemens.com/access)

## ■ Technical data

	<ul style="list-style-type: none"> <li>■ <b>AR10S-MF</b> Mifare card reader standard</li> <li>■ <b>AR11S-MF</b> Mifare card reader standard incl. UK adapter plate and extension cable</li> </ul>	<ul style="list-style-type: none"> <li>■ <b>AR40S-MF</b> Mifare card reader standard with keypad and display</li> <li>■ <b>AR41S-MF</b> Mifare card reader standard with keypad and display incl. UK adapter plate and extension cable</li> </ul>
<b>Protocol</b>	OSDP	OSDP
<b>Interface to controller</b>	RS485	RS485
<b>Operating voltage</b>	8.5 – 30.0 VDC	8.5 – 30.0 VDC
<b>Power consumption</b>	DC 12V 43mA Peak 168mA DC 24V 26mA Peak 100mA	DC 12V 60mA Peak 220mA DC 24V 40mA Peak 125mA
<b>Tamper protection</b>	Yes	Yes
<b>Card technology</b>	Mifare	Mifare
<b>Card compatibility</b>	Mifare Classic Mifare Plus (UID only) Mifare DESfire EV1	Mifare Classic Mifare Plus (UID only) Mifare DESfire EV1
<b>Reading distance</b>	Up to 6 cm	Up to 6 cm
<b>Indicators</b>	3 x LED (red/yellow/green) 1 x Buzzer Multicolor light frame	3 x LED (red/yellow/green) 1 x Buzzer Multicolour light frame
<b>Keypad</b>	No	Yes
<b>Display</b>	No	Yes, graphic monochrome OLED
<b>Operating temperature</b>	-40°C to +55°C*	-40°C to +55°C*
<b>IP rating</b>	IP55**	IP55**
<b>IK class</b>	08	08
<b>Housing</b>	Zinc casted metal bezel with polycarbonate plastic front	Zinc casted metal bezel with polycarbonate plastic front
<b>Colour</b>	Black, matt chrome	Black, matt chrome
<b>Dimensions (W x H x D)</b>	Surface mounted: 85 x 114 x 22 Back box mounted: 85 x 114 x 14	Surface mounted: 85 x 114 x 22 Back box mounted: 85 x 114 x 14
<b>Approvals</b>	CE according to R&TTE and EMC Directives	CE according to R&TTE and EMC Directives

\* Only applicable for surface mounted readers. Back box mounted readers are specified from -10°C to +55°C.

\*\* Only applicable for surface mounted readers. Back box mounted readers are specified to IP3X.

The information in this document contains general descriptions of technical options available, which do not always have to be present in individual cases. The required features should therefore be specified in each individual case at the time of closing the contract.

© Siemens AB • Document no. A-100008-2 • Edition: **20.09.2013** • Document version: 2.0