

# AXIS A4020-E Reader

## Contactless, secure RFID reader

Designed to perfectly match Axis network door controllers and Axis credentials, AXIS A4020-E Reader offers secure and seamless touch-free entry. Ideal for use in harsh environments both indoors and outdoors, it features a mullion-mount design to fit perfectly in narrow spaces and door frame installations. It supports most types of smart RFID card standards with 13.56MHz credential technologies and includes out-of-the-box support for Open Supervised Device Protocol (OSDP) for secure bidirectional communication. Packed with built-in cybersecurity features, it helps prevent unauthorized access and safeguards your system. Furthermore, this smart reader supports Secure Channel Protocol (SCP) enabling secure communications and connections.

- > **Designed to perfectly match Axis door controllers and credentials**
- > **Support for most RFID cards with 13.56MHz**
- > **IP65, IK07 ratings for use in harsh environments**
- > **EAL6+ Certified Secure Element for added protection**
- > **Mullion-mount design for easy installation**



## AXIS A4020-E Reader

<b>RFID reader</b>		Power	<b>Input:</b> 12 V DC <b>Current consumption:</b> Typical 60 mA@12 V, peak 100 mA@12 V H-eld strength = 15.63 dBµA/m @3m
Reader technology	13.56 MHz ISO14443A and ISO14443B (MIFARE Classic®, MIFARE Plus® (Level 1), MIFARE DESFire® EV1 and EV2).	Connectors	4-pin 26–18 AWG terminal block for RS485 (A/B) and power (+/-)
Network protocols	Open supervised device protocol (OSDP)	Cable requirements	<b>Power:</b> 26–18 AWG (0.13–0.82 mm <sup>2</sup> ) <b>Reader data:</b> 1 twisted pair with shield, 26–18 AWG (0.13–0.82 mm <sup>2</sup> ), 120 ohm impedance, for A and B. Qualified for up to 1000 m (3281 ft) – 24 AWG.
Alarm status indication	RGB LED for user feedback, buzzer	Operating conditions	-40 °C to 65 °C (-40 °F to 149 °F) Humidity 10–100% RH (condensing)
<b>Tampering</b>		Storage conditions	-40 °C to 65 °C (-40 °F to 149 °F) Humidity 5–95% RH (non-condensing)
Detection type	Built-in tamper switch for detecting both open casing and removal from wall	Approvals	<b>EMC</b> EN 61000-6-1, EN 61000-6-3, FCC Part 15 Subpart B Class B <b>Wireless</b> EN 300330, EN 301489-1, EN 301489-3, EN 62311, FCC Part 15 Subpart C <b>Safety</b> CAN/CSA-C22.2 No. 60950-22, CAN/CSA C22.2 No. 62368-1, IEC/EN/UL 60950-22, IEC/EN/UL 62368-1, UL 294 <b>Environment</b> IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-6, IEC 60068-2-14, IEC 60068-2-27, IEC 60068-2-78, IEC/EN 60529 IP66, IEC/EN 62262 IK07, NEMA 250 Type 4X
<b>Cybersecurity</b>		Dimensions	121 x 48 x 27 mm (4.76 x 1.89 x 1.06 in)
Edge security	<b>Hardware:</b> Secure boot, Axis Edge Vault with Axis device ID	Weight	118 g (4.16 oz)
Documentation	<i>AXIS OS Hardening Guide</i> <i>Axis Vulnerability Management Policy</i> <i>Axis Security Development Model</i> To download documents, go to <a href="https://axis.com/support/cybersecurity/resources">axis.com/support/cybersecurity/resources</a> To read more about Axis cybersecurity support, go to <a href="https://axis.com/cybersecurity">axis.com/cybersecurity</a>	Warranty	5-year warranty, see <a href="https://axis.com/warranty">axis.com/warranty</a>
<b>General</b>			
Casing	IP65 and NEMA 4X-rated, IK07 plastic casing, hard-coated scratch- and impact-resistant front Color: black NCS S 9000-N		
Mounting	Suitable for mullion-mount door installations or any at surface mounting		
Security	EAL 6+ Certified Secure Element Hardware		