

- RFPCR-31/G is a wall-mounted card reader that is designed for read contactless media (smart cards, key chains, etc.), which are used for controlling access to buildings or their parts.
- The reader sends a wireless command to switch, signaling, bell, etc. This makes it suitable for reconstruction, where the main benefit is the installation speed.
- RFPCR-31/G reader can be used to control the security system (locking/unlocking) access system (opening doors, gates, etc.) or appliances (based on assigned rights).
- RFPCR-31/G supports RFID media with the carrier frequency of 13.56 MHz. Supported card types MIFARE Ultralight, DESFire 2K (EV1), DESFire 4K (EV1) .
- RFPCR-31/G is also equipped with 8 A relay output with changeover contact AgSnO_2 , by which controlled devices can be switched directly.
- Range up to 160 m (in open space), if the signal is insufficient between the card reader and unit, use the signal repeater RFRP-20 or protocol component RFIO2 that support this feature.
- Communication frequency with bidirectional protocol RFIO.
- Wall card reader RFPCR-31/G is compatible with both types of frames LOGUS⁹⁰ (85.6 x 85.6 or 94 x 94 mm), therefore you can combine them with double and triple frames and classic products of the series.

Technical parameters

RFPCR-31/G

Supply voltage:	110 - 230 V AC
Supply voltage frequency:	50 - 60 Hz
Dissipated power:	max. 2.5 W
Apparent input:	max. 5 VA

Buttons

Number of control buttons:	2
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RFID readers

Supported frequencies:	13.56 MHz
Card Type:	MIFARE Ultralight, DESFire 2K (EV1), DESFire 4K (EV1)

Outputs

Output:	1x changeover 8A / AgSnO_2
Indication:	two-colour LED (red, green)
Acoustic output:	piezo-changer
Switching voltage:	230V AC / 30V DC
Switching output:	2000 VA / AC1; 240 W/DC
Peak current:	20 A / <3s
Insulation voltage between relay outputs and internal circuits:	3.75 kV, SELV according to EN 60950
Minimal switched current:	10 mA / 10 V
Switching frequency without load:	300 min ⁻¹
Switching frequency with rated load:	15 min ⁻¹
Mechanical life:	1x 10 ⁷
Electrical life AC1:	1x 10 ⁵

Control

Communication protocol:	RFIO
Frequency:	866–922 MHz (for more information see p. 80)
Repeater function:	NO
Range:	in open space up to 160 m

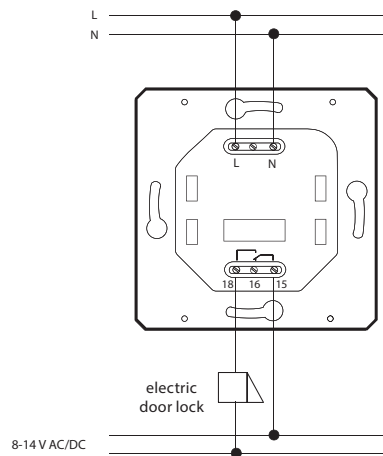
Connection

Network:	max. 2.5 mm ² /1.5 mm ² with sleeve
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Other data

Operating temperature:	-20 to +55 °C
Storing temperature:	-30 to +70 °C
Protection degree:	IP20
Overtoltage category:	II.
Pollution degree:	2
Operation position:	any
Installation:	into installation box
Dimensions	
- plastic:	85.6 x 85.6 x 42 mm
- metal, glass, wood, granite:	94 x 94 x 36 mm
Weight:	68 g (without frame)

Connection



Device description

