

EAN code
WMR3-21: 8595188132756

Technical parameters **WMR3-21**

Inputs

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 8 A/AgSnO ₂
Indication:	two-color LED (red, green)
Acoustic output:	piezo-changer
Switching voltage:	230 V A/30 V 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

Communication

Installation BUS:	BUS
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Power supply

Supply voltage/tolerance:	27 V DC, -20/+10 %
Dissipated power:	max. 0.5 W
Rated current:	50 mA (at 27 V DC), from BUS

Connection

Data:	terminals, 0.5 - 1 mm ²
Network:	max. 2.5 mm ² /1.5 mm ² with sleeve

Operating conditions

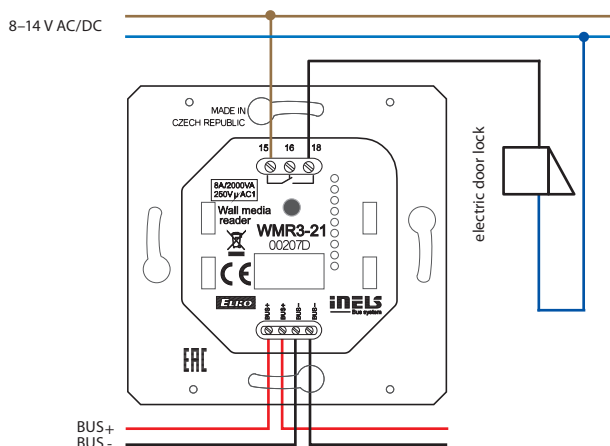
Operating temperature:	-20 to +55 °C
Storing temperature:	-30 to +70 °C
Protection degree:	IP20
Overvoltage category:	II.
Pollution degree:	2
Operation position:	any
Installation:	into installation box

Dimensions and weight

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)

- WMR3-21 is a wall-mounted card reader that is designed to read contactless media (smart cards, key chains, etc.), which are used for controlling access to buildings or their parts.
- With the glass controller WMR3-21 users will appreciate the ease of control using two push buttons, which can be assigned different control functions: lighting, shading, scenes, heating, etc.
- WMR3-21 reader can be used to control the security system (locking/unlocking) access system (opening doors, gates, etc.) or appliances (based on assigned rights).
- WMR3-21 supports RFID media with the carrier frequency of 13.56 MHz. Supported card types: MIFARE Ultralight, DESFire 2K (EV1), DESFire 4K (EV1).
- WMR3-21 is also equipped with 8 A relay output with changeover contact AgSnO₂, by which controlled devices can be switched directly (or any actuator in the system can be set in software iDM3).
- Indication two-color LED in the controller cover can indicate not only the status of controlled appliance, but also the status of any sensor or actuator in the system.
- Wall card reader WMR3-21 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.

Connection



Loadability of contacts



















Minimum load

Relay contact	mV	V/mA
AgSnO ₂	1000	10/100



















Minimum load

Relay contact	mV	V/mA
AgNi	300	5/10



















GCR3-11, GCH3-31, GMR3-61, SA3-02B, SA3-06M, SA3-012M, WMR3-21

Type of load	 $\cos \varphi \geq 0.95$								
Contact material	AC1	AC2	AC3	AC5a uncompensated	AC5a compensated	AC5b	AC6a	AC7b	AC12
AgSnO ₂ contact 8 A	250 V/8 A	250 V/2.5 A	250 V/1.5 A	230 V/1.5 A (345 VA)	230 V/1.5 A (345 VA) till max output C=14uF	250 W	250 V/4 A	250 V/1 A	250 V/1 A
Type of load									
Contact material	AC13	AC14	AC15	DC1	DC3	DC5	DC12	DC13	DC14
AgSnO ₂ contact 8 A	x	250 V/3 A	250 V/3 A	24 V/8 A	24 V/3 A	24 V/2 A	24 V/8 A	24 V/1 A	x



















LBC3-02M, SA3-04M, SA3-022M (RE7 - RE-10), EA3-022M (RE7 - RE-10), JA3-018M (U/D1 - U/D9)

Type of load	 $\cos \varphi \geq 0.95$								
Contact material	AC1	AC2	AC3	AC5a uncompensated	AC5a compensated	AC5b	AC6a	AC7b	AC12
AgSnO ₂ contact 16 A	250 V/16 A	250 V/5 A	250 V/3 A	230 V/3 A (690 VA)	230 V/3 A (690 VA) till max output C=14uF	1500 W	x	250 V/3 A	250 V/10 A
Type of load									
Contact material	AC13	AC14	AC15	DC1	DC3	DC5	DC12	DC13	DC14
AgSnO ₂ contact 16 A	250 V/6 A	250 V/6 A	250 V/6 A	24 V/16 A	24 V/6 A	24 V/4 A	24 V/16 A	24 V/2 A	24 V/2 A





SA3-02B/Ni*, SA3-06M/Ni*, SA3-012M/Ni*

Type of load	 $\cos \varphi \geq 0.95$								
Contact material	AC1	AC2	AC3	AC5a uncompensated	AC5a compensated	AC5b	AC6a	AC7b	AC12
AgNi contact 8 A	250 V/8 A	250 V/2.5 A	250 V/1.5 A	230 V/1.5 A (345 VA)	x	400 W	x	250 V/1.5 A	250 V/5 A
Type of load									
Contact material	AC13	AC14	AC15	DC1	DC3	DC5	DC12	DC13	DC14
AgNi contact 8 A	250 V/3 A	250 V/3 A	250 V/3 A	24 V/8 A	24 V/3 A	24 V/2 A	24 V/8 A	24 V/1 A	24 V/1 A

SA3-06M/Ni*, SA3-04M/Ni*

Type of load	 $\cos \varphi \geq 0.95$								
Contact material	AC1	AC2	AC3	AC5a uncompensated	AC5a compensated	AC5b	AC6a	AC7b	AC12
AgNi contact 16 A	250 V/16 A	250 V/5 A	250 V/3 A	230 V/3 A (690 VA)	x	800 W	x	250 V/3 A	250 V/10 A
Type of load									
Contact material	AC13	AC14	AC15	DC1	DC3	DC5	DC12	DC13	DC14
AgNi contact 16 A	250 V/6 A	250 V/6 A	250 V/6 A	24 V/16 A	24 V/6 A	24 V/4 A	24 V/16 A	24 V/2 A	24 V/2 A

JA3-018M (U/D1 - U/D9), SA3-022M (RE1 - RE6, OUT1 - OUT2, RE11 - RE16, SHUTTER), EA3-022M (RE1 - RE6, OUT1 - OUT2, RE11 - RE16, SHUTTER), FA3-612M (FAN1 - FAN3, RE)

Type of load	 $\cos \varphi \geq 0.95$			
Contact material	AC1	AC3	AC15	DC1
AgNi contact 6 A	250 V/6 A	230 V/0.8 A	230 V/1.3 A	30 V/3 A 110 V/0.2 A 220 V/0.12 A

Demonstrated symbols are informative.

*Products with AgNi contact only up on request for extra charge.