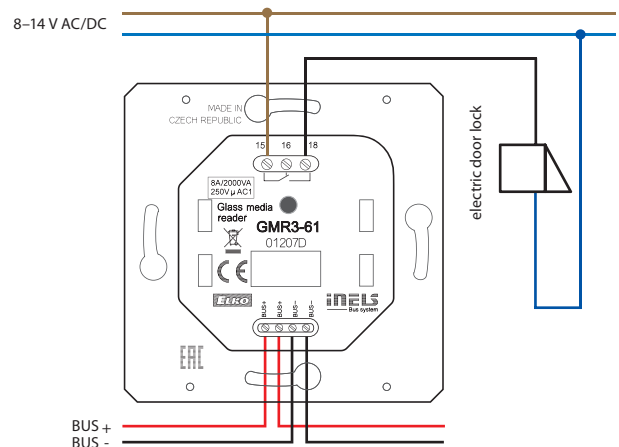


EAN code
 GMR3-61/B: 8595188155854
 GMR3-61/W: 8595188155793

Technical parameters		GMR3-61
Inputs		
Temperature measuring:	YES, built-in temperature sensor	
Scope and accuracy of temp. measuring:	0 to +55°C ; 0.3°C from the range	
Number of control buttons:	6	
RFID readers		
Supported frequencies:	13.56 MHz	
Card Type:	MIFARE Ultralight, DESFire 2K (EV1), DESFire 4K (EV1)	
Outputs		
Indication:	3 pairs of LED (red, green)	
Output:	1x changeover 8A / AgSnO ₂	
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	
Communication		
Installation BUS:	BUS	
Power supply		
Supply voltage / tolerance:	27 V DC, -20 / +10 %	
Dissipated power:	max. 2 W	
Rated current:	50 mA (at 27V 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		
Relative humidity:	max. 80 %	
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:	94 x 94 x 36 mm	
Weight:	155 g	

- Wall RFID card reader GMR3-61 is designed for reading of contactless media (chip cards, key fobs, tags, etc.), which are used for controlling access to buildings or parts of buildings.
- With the glass controller GMR3-61 users will appreciate the elegant design and the easy of control using six touch buttons, which can be assigned different control functions lighting, shading, scenes, heating, etc.
- GMR3-61 a design element of the (control) system iNELS and is available in black (GMR3-61/B) and white (GMR3-61/W) variants.
- GMR3-61 reader can be used to control the security system (locking / unlocking) access system (opening doors, gates, etc.) or appliances (based on assigned rights).
- GMR3-61 supports RFID media with the carrier frequency of 13.56 MHz. Supported card types MIFARE Ultralight, DESFire 2K (EV1), DESFire 4K (EV1) .
- The GMR3-61 is also equipped with 8A relay output with changeover contact AgSnO₂, which can be switched directly by reader (or by any controller in the system).
- Between each pair of touch keys is a pair of indicator LEDs (Green, Red) to indicate the status of the controlled appliance, or the state of any sensor or actuator in the system.
- Located on each touch button is a blue LED indicator, signalling the touch of a button. Touching may also be signalled by a vibrating pulse or audible tone - optionally in the software iDM3.
- All variants of GMR3-61 are available in sizes of luxury controllers LOGUS⁹⁰ (94 x 94 mm).
- GMR3-61 reader is equipped with a sensor of ambient light intensity. Based on information from the sensor can switch the orientation of blue LEDs on the touch-pad GSB3 or perform various actions with the software iDM3, eg. To control the lighting circuits in the corridor and others.
- GMR3-61 cannot be installed into multiple frames they are designed for mounting into installation boxes.

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 8A	250V / 8A	250V / 2.5A	250V / 1.5A	230V / 1.5A (345VA)	230V / 1.5A (345VA) till max output C=14uF	250W	250V / 4A	250V / 1A	250V / 1A
Type of load									
Contact material	AC13	AC14	AC15	DC1	DC3	DC5	DC12	DC13	DC14
AgSnO ₂ contact 8A	x	250V / 3A	250V / 3A	24V / 8A	24V / 3A	24V / 2A	24V / 8A	24V / 1A	x



















CU3-04M (RE7 - RE-10), LBC3-02M, SA3-01B, SA3-02M, 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 16A	250V / 16A	250V / 5A	250V / 3A	230V / 3A (690VA)	230V / 3A (690VA) till max output C=14uF	1500W	x	250V / 3A	250V / 10A
Type of load									
Contact material	AC13	AC14	AC15	DC1	DC3	DC5	DC12	DC13	DC14
AgSnO ₂ contact 16A	250 / 6A	250V / 6A	250V / 6A	24V / 16A	24V / 6A	24V / 4A	24V / 16A	24V / 2A	24V / 2A





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 8A	250V / 8A	250V / 2.5A	250V / 1.5A	230V / 1.5A (345VA)	x	400W	x	250V / 1.5A	250V / 5A
Type of load									
Contact material	AC13	AC14	AC15	DC1	DC3	DC5	DC12	DC13	DC14
AgNi contact 8A	250 / 3A	250V / 3A	250V / 3A	24V / 8A	24V / 3A	24V / 2A	24V / 8A	24V / 1A	24V / 1A

SA3-01B/Ni*, 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 16A	250V / 16A	250V / 5A	250V / 3A	230V / 3A (690VA)	x	800W	x	250V / 3A	250V / 10A
Type of load									
Contact material	AC13	AC14	AC15	DC1	DC3	DC5	DC12	DC13	DC14
AgNi contact 16A	250 / 6A	250V / 6A	250V / 6A	24V / 16A	24V / 6A	24V / 4A	24V / 16A	24V / 2A	24V / 2A

JA3-018M (U/D1 - U/D9), CU3-04M (RE1 - RE6, OUT1 - OUT2, RE11 - RE16), 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 6A	250V / 6A	230V / 0.8A	230V / 1.3A	30V / 3A 110V / 0.2A 220V / 0.12A

Demonstrated symbols are informative.

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