	RELAY P-FIFRAF-012-ZB SA-12/24	RELAY MODULE PR-A1F-12 WITH RUBBER DIODE	WORKLESS RELAY MODULE MODUL PRZEKAŹNIKOWY BEZ PRZEKAŹNIKA	WORKLESS RELAY MODULE PR-1-12-DS DELTA	NORMALLY OPEN RELAY MODULE PR-1-12-DS DELTA	NORMALLY OPEN RELAY MODULE PR-1-24-DS DELTA	NORMALLY OPEN RELAY MODULE PR-1-24-DS DELTA	CONTROLLABLE CHANGE OVER RELAY MODULE PR-1-12-PDT DELTA	CONTROLLABLE CHANGE OVER RELAY MODULE PR-1-24-PDT DELTA	CONTROLLABLE CHANGE OVER RELAY MODULE PR-1-12-PDT-DELTA	CONTROLLABLE CHANGE OVER RELAY MODULE PR-1-24-PDT-DELTA	NORMALLY OPEN RELAY MODULE PR-1-12-DS-DELTA	NORMALLY OPEN RELAY MODULE PR-1-24-DS-DELTA	RELAY MODULE R-2R-07 Modbus RTU	RELAY MODULE 4R-07 Modbus RTU	RELAY MODULE ERP1-2R-DIN-RS-01	RELAY MODULE ERP1-4R-DIN-RS-01	RELAY MODULE ERP2-4R-DIN-RS-01	PROGRESS DIGITAL OUTPUT MODULE RO-4	MODULE RELAY MODULE RELAY/OBEJMKA	MODULE RELAY MODULE ARM2-04R	MODULE RELAY MODULE ARM2-01P	MODULE RELAY MODULE ARM2-01U	MODULE RELAY MODULE ARM2-01S	MODULE RELAY MODULE ARM2-02S	MODULE RELAY MODULE ARM2-03S	MODULE RELAY MODULE ARM2-04S	TIME RELAY MODULE MEANWELL ESX-300S	MODULE RELAY MODULE ARM2-02P	TIME RELAY MODULE ARM2-12	TIME RELAY MODULE ARM2-12R	MODULE RELAY MODULE ARM2-03P	MODULE RELAY MODULE ARM2-04P	MODULE RELAY MODULE ARM2-02U FULLAND	MODULE RELAY MODULE ARM2-04R FULLAND	MODULE RELAY MODULE B11 SIMON	MODULE RELAY MP-1 ACTIS	MODULE OR-PLATUS CN-ORM2	MODULE OR-PLATUS CN-ORM2	TIME RELAY MODULE FHR-RELAYS-ORM2	TIME RELAY MODULE CR-FHR-RELAYS-ORM2	TIME RELAY MODULE CR-FHR-RELAYS-ORM2	MODULE PR-PS	MODULE PR-PS2	TIME RELAY MODULE PRA-12-PPC-DELTA	TIME RELAY MODULE PRA-12-PPC-DELTA	MODULE RELAY MODULE UPR-1 ENERMAR	MODULE RELAY MODULE UPR-12 ENERMAR	MODULE RELAY MODULE UPR-1-1 ENERMAR
	6.06 EUR 6.06 EUR	12.96 EUR	51.48 EUR 51.48 EUR	49.73 EUR	6.63 EUR 6.63 EUR	5.53 EUR 5.53 EUR	6.96 EUR 6.96 EUR	12.35 EUR 12.35 EUR	9.36 EUR 9.36 EUR	9.36 EUR 9.36 EUR	9.36 EUR 9.36 EUR	22.36 EUR 22.36 EUR	19.95 EUR 19.95 EUR	15.82 EUR 15.82 EUR	6.56 EUR 6.56 EUR	11.24 EUR 11.24 EUR	11.08 EUR 11.08 EUR	14.76 EUR 14.76 EUR	21.66 EUR 21.66 EUR	29.71 EUR 29.71 EUR	9.75 EUR 9.75 EUR	12.22 EUR 12.22 EUR	8.38 EUR 8.38 EUR	8.13 EUR 8.13 EUR	6.69 EUR 6.69 EUR	9.68 EUR 9.68 EUR	4.45 EUR 4.45 EUR	15.38 EUR 15.38 EUR	12.91 EUR 12.91 EUR	14.18 EUR 14.18 EUR	13.06 EUR 13.06 EUR	6.93 EUR 6.93 EUR	5.38 EUR 5.38 EUR	5.38 EUR 5.38 EUR	22.64 EUR 22.64 EUR	21.28 EUR 21.28 EUR	32.35 EUR 32.35 EUR	68.65 EUR 68.65 EUR	96.82 EUR 96.82 EUR	83.93 EUR 83.93 EUR	4.5 EUR 4.85 EUR	4.5 EUR 4.85 EUR	4.12 EUR 4.12 EUR	8.13 EUR 8.13 EUR	6.92 EUR	5.81 EUR 5.81 EUR	5.81 EUR 5.81 EUR
Support																																																	
PTZ control															RS-485 / UART TTL		RS-485 / UART TTL		Wi-Fi		Wi-Fi		RS-485 Wi-Fi																								
Outputs																							8 pcs																										
Protocol															Modbus RTU		Modbus RTU		IEEE 802.11 b/g/n/n, Wi-Fi Direct (P2P), TCP, UDP		IEEE 802.11 b/g/n/n, Wi-Fi Direct (P2P), TCP, UDP		ASCII/HEX/CAN/DATE RTU/TCP/IO TCP/A																												
Transmission speed															9600 / 9600 / 19200 bps default: 9600 bps		9600 / 9600 / 19200 bps default: 9600 bps						115200 bps																										
Rated power consumption																																																	
Number of inputs																	2 pcs	8 pcs	▬	▬	2																												
Number of relay outputs	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2 pcs	4 pcs	2 pcs	4 pcs	8 pcs		2	1	1	1	1	1	1	1	2 - Relays controlled by a single control input	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2 - Relays controlled by a single control input	1
Current efficiency																																																	
Inputs protection																							2 A (single output), 4 A (total)																										
Delay switching voltage H																																																	
Delay switching voltage L																																																	
Delay maximal load	16 A (max), 30 V DC / 250 V AC (max)	8 A (max), 30 V DC / 250 V AC (max)	8 A (max), 8 V ... 36 V DC	8 A (max), 8 V ... 36 V DC	10 A (max), 30 V DC / 30 V AC (max)	10 A (max), 30 V DC / 30 V AC (max)	10 A (max), 30 V DC / 30 V AC (max)	8 A (max), 30 V DC / 30 V AC (max)	10 A (max), 30 V DC / 30 V AC (max)	10 A (max), 30 V DC / 30 V AC (max)	10 A (max), 30 V DC / 30 V AC (max)	10 A (max), 30 V DC / 30 V AC (max)	10 A (max), 30 V DC / 30 V AC (max)	10 A (max), 30 V DC / 30 V AC (max)	10 A / 250 V AC 10 A / 30 V DC	10 A / 250 V AC 10 A / 30 V DC	10 A / 250 V AC 10 A / 30 V DC	10 A / 250 V AC 10 A / 30 V DC	10 A / 250 V AC 10 A / 30 V DC	10 A (max) @ 28 V DC / 30 V DC / 125 V AC / 250 V AC	2 A (max), 30 V DC / 30 V AC (max)	4 (max) 30 V DC / 30 V AC (max)	2 A (max) 30 V DC / 30 V AC (max)	2 A (max), 30 V DC / 30 V AC (max)	3 A (max), 30 V DC / 30 V AC (max)	3 A (max), 30 V DC / 30 V AC (max)	3 A (max), 30 V DC / 30 V AC (max)	3 A (max), 30 V DC / 30 V AC (max)	2 A (max), 30 V DC / 30 V AC (max)	2 A (max), 30 V DC / 30 V AC (max)	2 A (max), 30 V DC / 30 V AC (max)	2 A (max), 30 V DC / 30 V AC (max)	2 A (max), 30 V DC / 30 V AC (max)	2 A (max), 30 V DC / 30 V AC (max)	2 A (max), 30 V DC / 30 V AC (max)	2 A (max), 30 V DC / 30 V AC (max)	2 A (max), 30 V DC / 30 V AC (max)	2 A / 30 V	2 x 8 A / 480 VDC or 8 A / 250 V DC / 480 V AC	8 A / 250 V AC (max) 8 A / 24 V DC (max)	8 A / 250 V AC (max) 8 A / 24 V DC (max)	16 A 250 V AC 16 A 24 V DC	16 A 250 V AC 16 A 24 V DC	16 A 250 V AC 16 A 24 V DC	16 A 250 V AC 16 A 24 V DC	10 A (max) @ 28 V DC / 30 V DC / 125 V AC / 250 V AC	10 A (max) @ 28 V DC / 30 V DC / 125 V AC / 250 V AC	16 A (max) @ 30 V DC / 30 V AC (max)	16 A (max) @ 30 V DC / 30 V AC (max)	16 A (max) @ 30 V DC / 30 V AC (max)	16 A (max) @ 30 V DC / 30 V AC (max)	A @ 30 V AC/DC (max)	A @ 30 V AC / DC (max)	A @ 30 V AC / DC (max)
Application			Wireless alarm systems SMOKA	Wireless alarm systems WIRELESS AX PRO	Wireless alarm systems SMOKA	Wireless alarm systems WIRELESS AX PRO	Wireless alarm systems SMOKA	Relay for electromagnetic lock/electric strike	Relay for electromagnetic lock/electric strike	Relay for electromagnetic lock/electric strike	Relay for electromagnetic lock/electric strike	Relay for electromagnetic lock/electric strike	Relay for electromagnetic lock/electric strike	Relay for electromagnetic lock/electric strike																																			
Output	1 x NONC	1 x NONC	NONC	NONC	NO	NO	NO	NONC	NONC	1 x NONC	8 x NONC	8 x NO	8 x NO	1 x NONC	4 x NONC	1 x NONC	4 x NONC	8 x NONC		1 x NONC + 4 x NO,	1 x NONC	1 x NONC	1 x NONC	1 x NONC	1 x NONC	1 x NONC	1 x NONC	1 x NONC	1 x NONC	1 x NONC	1 x NONC	1 x NONC	1 x NO / NC	4 x NONC	1 x NO / NC	4x NONC	1 x NONC	1 x NONC	1 x NONC	1 x NONC	1 x NONC	1 x NONC	1 x NONC	1 x NONC	1 x NONC	1 x NONC	1 x NONC
Wireless																				+ 433 MHz, • Range - 15 m (in open area)																													
Current consumption	14.2 mA @ 12 V DC	14.2 mA @ 12 V DC			25 mA 12 V DC	25 mA / 12 V DC	25 mA / 12 V DC	31 mA / 12 V DC	25 mA / 12 V DC	25 mA / 12 V DC	max. 25 mA / 12 V DC	35 mA per each relay at voltage 12 V DC	35 mA per each relay at voltage 12 V DC	35 mA per each relay at voltage 12 V DC						60 mA @ 12 V DC	75 mA (max)	33 mA @ 12 V DC	33 mA @ 12 V DC	30 mA @ 12 V DC	25 mA @ 12 V DC	25 mA @ 12 V DC	25 mA @ 12 V DC	35 mA (max)	37 mA per each relay at voltage 12 V DC	25 mA (max)	35 mA (max)	37 mA per each relay at voltage 12 V DC		28 mA (max) @ 12 V DC	33 mA @ 12 V DC													45 mA 0 mA - 36 input	111 mA 0 mA - 36 input	25 mA (max)	35 mA (max)	25 mA @ 12 V DC	28 mA @ 12 V DC	28 mA per each relay at voltage 12 V DC
Power supply	12 V DC	12 V DC	7 ... 24 V DC	7 ... 24 V DC	10 ... 16 V DC	10 ... 16 V DC	10 ... 16 V DC	10 ... 16 V DC	10 ... 16 V DC	10 ... 16 V DC	10 ... 16 V DC	10 ... 16 V DC	10 ... 16 V DC	10 ... 16 V DC	7 V ... 24 V DC (power adapter not included)	7 V ... 24 V DC (power adapter not included)	7 V ... 30 V DC or 5 V DC (power adapter not included)	7 V ... 30 V DC 5 V DC 7 V ... 28 V DC (power adapter not included)	7 V ... 28 V DC (power adapter not included) 5 V DC (power adapter not included)	12 V DC	9 ... 15 V DC (12 V DC is the usual op. parameter)	10 ... 15 V DC (12 V DC is the usual op. parameter)	10 ... 14 V DC	10 ... 16 V AC/DC	10 ... 14 V DC	10 ... 16 V AC/DC	10 ... 14 V DC	10 ... 14 V DC	10 ... 14 V DC	10 ... 14 V DC	10 ... 14 V DC	10 ... 14 V DC	10 ... 16 V AC/DC	12 V DC	12 V ... 230 V AC / DC	12 V ... 240 V AC / DC	12 ... 230 V AC / DC	12 ... 230 V AC / DC	12 ... 230 V AC / DC	12 V DC	12 V DC	10 ... 16 V DC	10 ... 16 V DC	12 V AC/DC	12 V DC	12 V DC
Operation modes																																															• Voltage switch-on delay • Voltage switch-off delay • Cycler - alternately switch-on and switch-off delay without the possibility of extension • Cycler with the possibility of extension • Generation of extension signal for other modules • Retrable operation controlled by the 5 control inputs • Cycler with adjustable pulse filling							
Main features	• Assembly - PCB, Socket • Contacts arrangement - SPDT • IP67	• Assembly - DIN rail (TS-35) • LED indication	• AES-128 data encryption • Frequency hopping against jamming and remote transmission • Test mode • Encryption, authentication • alarm input - Tamper signaling • Overvoltage protection • Thermal protection • Closed system • Wall installation, Small dimensions • Wall mounting - self adhesive tape	• Wireless 868 MHz, • Bidirectional communication • AES-128 bit data encryption • LED indication, • alarm input - Tamper signaling • Wall installation, • Small dimensions • Wall mounting - self adhesive tape	• DIN, TS-35 rail mounting, • LED indication, • Protections - Overvoltage, Reverse polarity connection	• Mounting with self-adhesive tape, • LED indication, • Protections - Overvoltage, Reverse polarity connection	• Screw mounting with screws, • LED indication, • Protections - Overvoltage, Reverse polarity connection	• DIN, TS-35 rail mounting, • LED indication, • Protections - Overvoltage, Reverse polarity connection, • 510mm delayed fuse 10 A	• Screw mounting with screws, • LED indication, • LED indication, • Protections - Overvoltage, Reverse polarity connection, • 510mm delayed fuse 10 A	• LED indication, • Protections - Overvoltage, Reverse polarity connection, • 510mm delayed fuse 10 A, • Splash-proof casing	• DIN, TS-35 rail mounting, • LED indication, • Protections - Overvoltage, Reverse polarity connection	• Mounting with self-adhesive bases, • Screw mounting with screws, • LED indication, • Protections - Overvoltage, Reverse polarity connection	• LED indication, • Protections - Overvoltage, Reverse polarity connection • Splash-proof casing	• LED indication • The control inputs protected with optocouplers, galvanically isolated, the control inputs with voltages in the range of 3.3 V DC - 24 V DC • The UART interface input is adapted to the installation of the control inputs with voltages adapted to the TTL level (3.3 V DC / 5 V DC), the input is protected by a device address (with setting the settings after a power failure), the device address (255 default address 255) • Possibility to set the delay of the output switching (0 - 255 unit: 0.1 s, value range: 0.1 s - 6553.5 s) • Possibility to set normal inverse polarity of the input voltage	• LED indication • The control inputs protected with optocouplers, galvanically isolated, the control inputs with voltages in the range of 3.3 V DC - 24 V DC • The UART interface input is adapted to the installation of the control inputs with voltages adapted to the TTL level (3.3 V DC / 5 V DC), the input is protected by a device address (with setting the settings after a power failure), the device address (255 default address 255) • Possibility to set the delay of the output switching (0 - 255 unit: 0.1 s, value range: 0.1 s - 6553.5 s) • Possibility to set normal inverse polarity of the input voltage	• LED indication • Programming with Arduino - Open Source • The module can be used as an element of IoT (Internet of Things) solutions • The Wi-Fi module works in the 2.4 GHz band	• LED indication • Programming with Arduino - Open Source • The module can be used as an element of IoT (Internet of Things) solutions • The Wi-Fi module works in the 2.4 GHz band	• LED indication • Programming with Arduino - Open Source • The module can be used as an element of IoT (Internet of Things) solutions • The Wi-Fi module works in the 2.4 GHz band			• relay inputs triggering by low or high voltage - 7 A / input • LED indication	LED indication	• LED indication • 510mm delayed fuse - 0.5 A	• LED indication • 2 x 510mm delayed fuse - 0.5 A, 2 A	• LED indication • 2 x 510mm delayed fuse - 0.5 A	• EEPROM non-volatile memory, • Time settings range 1 s ... 65 h, • LED indication	LED indication	• Time settings range: 0 - Range - 1 s ... 99 s, 1 - Range - 1 s ... 5 minutes • LED indication	• Time settings range: 0 - Range - 1 s ... 99 s, 1 - Range - 1 s ... 5 minutes • LED indication	LED indication		• LED indication • 510mm delayed fuse - 0.5 A																											
SAP Code				2010001785																																													
Operating temp	40 °C ... 80 °C	40 °C ... 80 °C	-25 °C ... 55 °C	-25 °C ... 55 °C	10 °C ... 40 °C	10 °C ... 40 °C	10 °C ... 40 °C	10 °C ... 40 °C	10 °C ... 40 °C	10 °C ... 40 °C	10 °C ... 40 °C	10 °C ... 40 °C	10 °C ... 40 °C	10 °C ... 70 °C							10 °C ... 40 °C	10 °C ... 40 °C	10 °C ... 40 °C	10 °C ... 40 °C	10 °C ... 40 °C	10 °C ... 40 °C	10 °C ... 40 °C	10 °C ... 50 °C	10 °C ... 40 °C	10 °C ... 40 °C	10 °C ... 40 °C	10 °C ... 50 °C	10 °C ... 40 °C	10 °C ... 50 °C	10 °C ... 50 °C	10 °C ... 40 °C	10 °C ... 40 °C	10 °C ... 40 °C	10 °C ... 50 °C	10 °C ... 40 °C	10 °C ... 40 °C	10 °C ... 50 °C	10 °C ... 40 °C	10 °C ... 40 °C	10 °C ... 50 °C	10 °C ... 40 °C	10 °C ... 40 °C	10 °C ... 50 °C
Weight	0.055 kg	0.03 kg	0.15 kg	0.150 kg	0.05 kg	0.05 kg	0.05 kg	0.05 kg	0.05 kg	0.13 kg	0.09 kg	0.09 kg	0.09 kg	0.14 kg	0.09 kg	0.09 kg	0.09 kg	0.09 kg	0.09 kg	0.09 kg	0.09 kg	0.09 kg	0.09 kg	0.09 kg	0.09 kg	0.09 kg	0.09 kg	0.09 kg	0.09 kg	0.09 kg	0.09 kg	0.09 kg	0.09 kg	0.09 kg	0.09 kg	0.09 kg	0.09 kg	0.09 kg	0.09 kg	0.09 kg	0.09 kg	0.09 kg	0.09 kg	0.09 kg	0.09 kg	0.09 kg	0.09 kg
Dimensions	38 x 13 x 5 mm	40 x 7.5 x 16 mm	46 x 34 x 20 mm	46 x 34 x 20 mm	72 x 22 x 41 mm	69 x 18 x 27 mm	69 x 11 x 20 mm	78 x 27 x 61 mm	78 x 27 x 20 mm	120 x 90 x 36 mm	72 x 44 x 40 mm	99 x 45 x 20 mm	118 x 91 x 27 mm	85 x 49 x 19 mm	95 x 90 x 20 mm	75 x 47 x 19 mm	95 x 90 x 19 mm	248 x 90 x 19 mm	120 x 90 x 36 mm	48 x 41 x 20 mm	78 x 43 x 22 mm	90 x 43 x 20 mm	72 x 43 x 20 mm	86 x 43 x 20 mm	78 x 43 x 20 mm	90 x 43 x 20 mm	100 x 43 x 22 mm	86 x 43 x 22 mm	90 x 43 x 20 mm	78 x 43 x 20 mm	90 x 43 x 20 mm	90 x 43 x 22 mm	90 x 43 x 18 mm	111 x 70 x 28 mm	90 x 43 x 18 mm	87 x 57 x 35 mm	87 x 57 x 35 mm	90 x 57 x 43 mm	90 x 57 x 43 mm	90 x 57 x 43 mm	90 x 57 x 43 mm	90 x 57 x 43 mm	90 x 57 x 43 mm	90 x 57 x 43 mm	90 x 57 x 43 mm	90 x 57 x 43 mm	90 x 57 x 43 mm	90 x 57 x 43 mm	90 x 57 x 43 mm
Manufacturer / Brand	Delta	Delta	Delta	Delta	Delta	Delta	Delta	Delta	Delta	Delta	Delta	Delta	Delta	Delta	Delta	Delta	Delta	Delta	Delta	Delta	Delta	Delta	Delta	Delta	Delta	Delta	Delta	Delta	Delta	Delta	Delta	Delta	Delta	Delta	Delta	Delta	Delta	Delta	Delta	Delta	Delta	Delta	Delta	Delta	Delta	Delta	Delta
Guarantee	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years

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