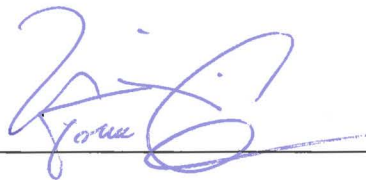




Test Report issued under the responsibility of:



<b>TEST REPORT</b> <b>IEC 60669-1</b> <b>Switches for household and similar fixed-electrical installations</b> <b>Part 1: General requirements</b>	
<b>Report Reference No.</b> .....	T211-0383/15
<b>Date of issue</b> .....	2015-07-03
<b>Total number of pages</b> .....	194
<b>CB Testing Laboratory</b> .....	SIQ Ljubljana
<b>Address</b> .....	Tržaška cesta 2, SI-1000 Ljubljana, Slovenia
<b>Applicant's name</b> .....	ALING – CONEL d.o.o.
<b>Address</b> .....	Železnička 10, RS-21432 Gajdobra, Serbia
<b>Test specification:</b>	
<b>Standard</b> .....	IEC 60669-1:1998 (Third Edition) + A1:1999 + A2:2006
<b>Test procedure</b> .....	CB Scheme
<b>Non-standard test method</b> .....	N/A
<b>Test Report Form No.</b> .....	IEC60669_1D
<b>Test Report Form(s) Originator</b> .....	IMQ S.p.A.
<b>Master TRF</b> .....	Dated 2009-03
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If this Test Report Form is used by non-IECEE members, the IECEE/IEC logo and the reference to the CB Scheme procedure shall be removed.	
<b>This report is not valid as a CB Test Report unless signed by an approved CB Testing Laboratory and appended to a CB Test Certificate issued by an NCB in accordance with IECEE 02.</b>	
<b>Test item description</b> .....	Flush Mounted Installation Switches (modular system)
<b>Trade Mark</b> .....	EXPERIENCE
<b>Manufacturer</b> .....	ALING – CONEL d.o.o., Železnička 10, RS-21432 Gajdobra, Serbia
<b>Model/Type reference</b> .....	art.72101, art.72103, art.72104, art.72111,art.72112, art.72114.x, art.72105 and art.72117.x
<b>Ratings</b> .....	16 AX; 250 V~

<b>Testing procedure and testing location:</b>	
<input checked="" type="checkbox"/> <b>CB Testing Laboratory:</b>	SIQ Ljubljana <small>Testing Laboratory is accredited by Slovenian Accreditation, Reg. No.: LP-009</small>
Testing location/ address .....	Tržaška cesta 2, SI-1000 Ljubljana, Slovenia
<input type="checkbox"/> <b>Associated CB Test Laboratory:</b>	
Testing location/ address .....	
Tested by (name + signature) .....	Tibor Kokelj
Approved by (+ signature) .....	Tomaž Knez 
<input type="checkbox"/> <b>Testing procedure: TMP</b>	
Tested by (name + signature) .....	
Approved by (+ signature) .....	
Testing location/ address .....	
<input type="checkbox"/> <b>Testing procedure: WMT</b>	
Tested by (name + signature) .....	
Witnessed by (+ signature) .....	
Approved by (+ signature) .....	
Testing location/ address .....	
<input type="checkbox"/> <b>Testing procedure: SMT</b>	
Tested by (name + signature) .....	
Approved by (+ signature) .....	
Supervised by (+ signature) .....	
Testing location/ address .....	
<input type="checkbox"/> <b>Testing procedure: RMT</b>	
Tested by (name + signature) .....	
Approved by (+ signature) .....	
Supervised by (+ signature) .....	
Testing location/ address .....	

**Summary of testing:****Tests performed (name of test and test clause):**

All applicable tests were performed.

**Testing location:**

SIQ Ljubljana  
Tržaška cesta 2  
SI-1000 Ljubljana  
Slovenia

**Summary of compliance with National Differences: /****Copy of marking plate (example):**

<b>Test item particulars</b> .....	Flush Mounted Installation Switches (modular system)
Pattern number .....	art.72101 (1), art.72103 (6), art.72104 (7), art.72111 (1),art.72112 (1), art.72114.x (6 + 1), art.72105 (1) and art.72117.x (1)
Contact opening (gap) .....	normal gap
Degree of protection against access to hazardous parts and against harmful effects due to the ingress of solid foreign objects .....	IP2X
Degree of protection against harmful effects due to the ingress of water .....	IPX0
Method of actuating .....	rocker (art.72101, art.72103, art.72104) cord-operated (art.72117.x) momentary contact/rocker (art.72117.x, art.72114.x, art.72112, art.72111)
Method of application .....	flush-type
Method of installation .....	design A
Type of terminals .....	screw-type
Flexible cable outlet .....	without
Rated voltage (V) .....	
Rated current (A).....	
<b>Possible test case verdicts:</b>	
- test case does not apply to the test object .....	N/A
- test object does meet the requirement.....	P (Pass)
- test object does not meet the requirement.....	F (Fail)
<b>Testing</b> .....	
Date of receipt of test item .....	2015-04-28
Date (s) of performance of tests .....	2015-04-28 to 2015-07-02
<b>General remarks:</b>	
<p>The test results presented in this report relate only to the object tested.</p> <p>This report shall not be reproduced, except in full, without the written approval of the Issuing testing laboratory.</p> <p>"(see Enclosure #)" refers to additional information appended to the report.</p> <p>"(see appended table)" refers to a table appended to the report.</p> <p>Throughout this report a <u>comma</u> (point) is used as the decimal separator.</p>	

**General product information:**

Type references, description and list of accessories:

Switches:

Model No. / Type reference	Description
art.72101	Single pole switch, without actuating button cover
art.72103	Two way switch, without actuating button cover
art.72104	Intermediate switch, without actuating button cover
art.72111	Momentary contact switch, without actuating button cover
art.72112	Momentary contact switch with NC contacts, without actuating button cover
art.72114.x	Momentary contact switch for blinds
art.72105	Single pole switch with zero contact terminal, without actuating button cover
art.72117.x	Momentary contact switch string operated

x - button color code (0-white, 9-beige, E1-soft black, S-silver). For all switches it is possible to add pilot light which can be sold separately.

Note: art.72117 is identical in construction to art.72111; art.72111 is identical to art.72101 except with added spring; art.72114.x is combination of two separate switches (art.72101 and art.72103) connected together with wire.

Packaging of switches (supplied as 10 psc. or 5 psc), can be marked )on packaging) in addition as:

Type reference on packaging	Description
art.PP72101	Single pole switch, without actuating button cover - package 10 pcs.
art.PP72103	Two way switch, without actuating button cover - package 10 pcs.
art.PP72104	Intermediate switch, without actuating button cover - package 10 pcs.
art.PP72111	Momentary contact switch, without actuating button cover - package 10 pcs.
art.PP72112	Momentary contact switch with NC contacts, without actuating button cover - package 10 pcs.
art.PP72114.x	Momentary contact switch for blinds - package 5 pcs.
art.PP72105	Single pole switch with zero contact terminal, without actuating button cover - package 10 pcs.

List of optional pilot lights:

Type reference	Description
art.72181.x	Pilot light with built in contacts (light can be built into the switch body by pushing inside)
art.72182.x	Pilot light with conductors (light can be built into the switch body by pushing inside and connection of conductors to switch terminals)
art.72183.x	Pilot light 24V~ with built in contacts (light can be built into the switch body by pushing inside)
art.72184.x	Pilot light 24V~ with conductors (light can be built into the switch body by pushing inside and connection of conductors to switch terminals)

x - LED color code (0-white, 4-red, 5-blue, 12-green)

List of plastic covers (BASIC line):

Type reference	Description
art.70101.xx	Mounting frame cover for 1 module BASIC
art.70102.xx	Mounting frame cover for 2 modules BASIC
art.70123.xx	Mounting frame cover for 2 modules in 3 modules mounting box BASIC
art.70103.xx	Mounting frame cover for 3 modules BASIC
art.70104.xx	Mounting frame cover for 4 modules BASIC
art.70106.xx	Mounting frame cover for 6 modules BASIC
art.70107.xx	Mounting frame cover for 7 modules BASIC
art.70122.xx	Mounting frame cover for 2x2 modules horizontal BASIC
art.70132.xx	Mounting frame cover for 3x2 modules horizontal BASIC
art.70142.xx	Mounting frame cover for 2x2 modules vertical BASIC
art.70162.xx	Mounting frame cover for 3x2 modules vertical BASIC
xx - color code for holding part and cover part, respectively (0-white, E-black, S-silver)	

List of plastic covers (COLOR VIVID line):

Type reference	Description
art.70201.x	Mounting frame cover for 1 module COLOR VIVID
art.70202.x	Mounting frame cover for 2 modules COLOR VIVID
art.70223.x	Mounting frame cover for 2 modules in 3 modules mounting box COLOR VIVID
art.70203.x	Mounting frame cover for 3 modules COLOR VIVID
art.70204.x	Mounting frame cover for 4 modules COLOR VIVID
art.70206.x	Mounting frame cover for 6 modules COLOR VIVID
art.70207.x	Mounting frame cover for 7 modules COLOR VIVID
art.70222.x	Mounting frame cover for 2x2 modules horizontal COLOR VIVID
art.70232.x	Mounting frame cover for 3x2 modules horizontal COLOR VIVID
art.70242.x	Mounting frame cover for 2x2 modules vertical COLOR VIVID
art.70262.x	Mounting frame cover for 3x2 modules vertical COLOR VIVID
x - color code of cover (2-graphite, 4-red, 5-pastel blue, 7-pastel green, 9-beige, N-pastel orange, V-lavander)	

List of plastic covers (COLOR METALLIC line):

Type reference	Description
art.70301.x	Mounting frame cover for 1 module COLOR METALLIC
art.70302.x	Mounting frame cover for 2 modules COLOR METALLIC
art.70323.x	Mounting frame cover for 2 modules in 3 modules mounting box COLOR METALLIC
art.70303.x	Mounting frame cover for 3 modules COLOR METALLIC
art.70304.x	Mounting frame cover for 4 modules COLOR METALLIC
art.70306.x	Mounting frame cover for 6 modules COLOR METALLIC
art.70307.x	Mounting frame cover for 7 modules COLOR METALLIC
art.70322.x	Mounting frame cover for 2x2 modules horizontal COLOR METALLIC
art.70332.x	Mounting frame cover for 3x2 modules horizontal COLOR METALLIC
art.70342.x	Mounting frame cover for 2x2 modules vertical COLOR METALLIC
art.70362.x	Mounting frame cover for 3x2 modules vertical COLOR METALLIC
x - color code of cover (G-metallic gold, G1-metallic shine gold, G2-metallic satin gold, P-metallic blue, S1-metallic antique silver, Z-metallic green, U-metallic aluminum)	

List of plastic covers (COLOR SOFT TOUCH line)

Type reference	Description
art.70401.x	Mounting frame cover for 1 module COLOR SOFT TOUCH
art.70402.x	Mounting frame cover for 2 modules COLOR SOFT TOUCH
art.70423.x	Mounting frame cover for 2 modules in 3 modules mounting box COLOR SOFT TOUCH
art.70403.x	Mounting frame cover for 3 modules COLOR SOFT TOUCH
art.70404.x	Mounting frame cover for 4 modules COLOR SOFT TOUCH
art.70406.x	Mounting frame cover for 6 modules COLOR SOFT TOUCH
art.70407.x	Mounting frame cover for 7 modules COLOR SOFT TOUCH
art.70422.x	Mounting frame cover for 2x2 modules horizontal COLOR SOFT TOUCH
art.70432.x	Mounting frame cover for 3x2 modules horizontal COLOR SOFT TOUCH
art.70442.x	Mounting frame cover for 2x2 modules vertical COLOR SOFT TOUCH
art.70462.x	Mounting frame cover for 3x2 modules vertical COLOR SOFT TOUCH
x - color code of cover (0-blue sky, E1-soft black)	

List of wooden covers (EXCLUSIVE line):

Type reference	Description
art.70502.x	Mounting frame cover for 2 modules WOOD
art.70503.x	Mounting frame cover for 3 modules WOOD
art.70504.x	Mounting frame cover for 4 modules WOOD
art.70507.x	Mounting frame cover for 7 modules WOOD
x - color code of cover (J-maple, Y-chery, R-nut, W-wenge)	

List of glass covers (EXCLUSIVE line):

Type reference	Description
art.70602.x	Mounting frame cover for 2 modules GLASS
art.70603.x	Mounting frame cover for 3 modules GLASS
art.70604.x	Mounting frame cover for 4 modules GLASS
art.70607.x	Mounting frame cover for 7 modules GLASS
x - color code of cover (7-ocean, 0-crystal white)	

List of metal covers (EXCLUSIVE line):

Type reference	Description
art.70702.x	Mounting frame cover for 2 modules METAL
art.70703.x	Mounting frame cover for 2 modules METAL
art.70704.x	Mounting frame cover for 2 modules METAL
art.70707.x	Mounting frame cover for 2 modules METAL
x - color code of cover (G3-antique gold, Q-titanium)	

List of empty spot covers:

Type reference	Description
art.70001.x	Empty spot cover for 1 module
x - color code (0-white, 9-beige, E1-soft black, S-silver)	



List of actuator covers for one module:

Type reference	Description
art.73101.x	Actuator cover for 1 module
art.73102.x	Actuator cover for 1 module with arrow symbol
art.73104.x	Actuator cover for 1 module with amplification symbol
art.73105.x	Actuator cover for 1 module with key symbol
art.73106.x	Actuator cover for 1 module with 0-I symbol
art.73107.x	Actuator cover for 1 module with servants symbol
art.73110.x	Actuator cover for 1 module with customer designed symbol
art.73201.x	Actuator cover for 1 module with indication
art.73202.x	Actuator cover for 1 module with indication and light symbol
art.73203.x	Actuator cover for 1 module with indication and door bell symbol
art.73204.x	Actuator cover for 1 module with indication and boiler symbol
art.73205.x	Actuator cover for 1 module with indication and heater symbol
art.73206.x	Actuator cover for 1 module with indication and fan symbol
art.73207.x	Actuator cover for 1 module with indication and socket outlet symbol
art.73208.x	Actuator cover for 1 module with indication and washing machine symbol
art.73209.x	Actuator cover for 1 module with indication and shower symbol
art.73210.x	Actuator cover for 2 modules with indication and customer designed symbol

List of actuator covers for two modules:

Type reference	Description
art.73301.x	Actuator cover for 2 modules
art.73302.x	Actuator cover for 2 modules with arrow up symbol
art.73303.x	Actuator cover for 2 modules with arrow down symbol
art.73304.x	Actuator cover for 2 modules with amplification symbol
art.73305.x	Actuator cover for 2 modules with key symbol
art.73306.x	Actuator cover for 2 modules with 0-I symbol
art.73307.x	Actuator cover for 2 modules with servants symbol
art.73310.x	Actuator cover for 2 modules with customer designed symbol
art.73401.x	Actuator cover for 2 modules with indication
art.73402.x	Actuator cover for 2 modules with indication and light symbol
art.73403.x	Actuator cover for 2 modules with indication and door bell symbol
art.73404.x	Actuator cover for 2 modules with indication and boiler symbol
art.73405.x	Actuator cover for 2 modules with indication and heater symbol
art.73406.x	Actuator cover for 2 modules with indication and fan symbol
art.73407.x	Actuator cover for 2 modules with indication and socket outlet symbol
art.73408.x	Actuator cover for 2 modules with indication and washing machine symbol
art.73409.x	Actuator cover for 2 modules with indication and shower symbol
art.73410.x	Actuator cover for 2 modules with indication and customer designed symbol

List of mounting frames:

Type reference	Description
art.71001	Mounting frame for 1 module - hollow walls
art.71101	Mounting frame for 1 module - with clamps
art.71002	Mounting frame for 2 modules - hollow walls
art.71102	Mounting frame for 2 modules - with clamps
art.71023	Mounting frame for 2 modules in 3 modules box
art.71123	Mounting frame for 2 modules in fi60 mounting box - with clamps
art.71003	Mounting frame for 3 modules
art.71004	Mounting frame for 4 modules
art.71006	Mounting frame for 6 modules
art.71007	Mounting frame for 7 modules

List of mounting frames with LED for illumination:

Type reference	Description
art.71303.x	Mounting frame for 3 modules
art.71304.x	Mounting frame for 4 modules
art.71306.x	Mounting frame for 6 modules
art.71307.x	Mounting frame for 7 modules
x - color code of illumination (4-red, 5-blue)	

IEC 60669-1			
Clause	Requirement + Test	Result - Remark	Verdict
<b>8</b>	<b>MARKING</b>		<b>P</b>
8.1	Switches marked with:		P
	- rated current (A) or rated fluorescent load (AX) or a combination of both if the two ratings are different ... :	16 AX	P
	- rated voltage (V) .....	250 V	P
	- symbol for nature of supply .....	~	P
	- manufacturer's or responsible vendor's name, trade mark or identification mark .....	ALING CONEL logo	P
	- type reference .....	art.72101, art.72103, art.72104, art.72111, art.72112, art.72114.x, art.72105 and art.72117.x	P
	- symbol for mini-gap construction (m) .....		N/A
	- symbol for micro-gap construction ( $\mu$ ) .....		N/A
	- symbol for semiconductor switching device ( $\epsilon$ ) .....		N/A
	- first IP characteristic numeral, if declared higher than 2, in which case the second characteristic numeral is also marked .....	IP	N/A
	- second IP characteristic numeral, if declared higher than 0, in which case the first characteristic numeral is also marked .....	IP	N/A
	Switches with screwless terminals: marked with an indication of the suitability to accept rigid conductors only (if any) .....	Screw terminals	N/A
8.2	Symbols used: as required in the standard		P
	Marking for the nature of supply placed next to the marking for rated current and rated voltage		P
8.3	Marking of switches placed on the main part:		P
	- rated current, rated voltage and nature of supply		P
	- either the name, trade mark, or identification mark of the manufacturer or of the responsible vendor	ALING CONEL logo	P
	- length of insulation to be removed, if any		N/A
	- symbol for mini-gap construction, micro-gap construction or semiconductor switching device, if any		N/A
	- type reference		P
	Cover plates necessary for safety purposes and intended to be sold separately: marked with the manufacturer's or responsible vendor's name, trade mark or identification mark and type reference	Not necessary for safety purposes. Intended to be sold separately. Each cover plate marked with: type, manufacturers logo and trademark (experience)	
	IP code, when applicable, marked so as to be easily discernible when the switch is mounted and wired as in normal use		N/A

IEC 60669-1			
Clause	Requirement + Test	Result - Remark	Verdict
	Marking clearly visible and easily legible		P
	Markings are placed on parts which cannot be removed without the use of a tool		P
8.4	Terminals for phase conductors (supply conductors): identified unless method of connection is of no importance, self evident or indicated on a wiring diagram	Wiring diagram presented on each switch (see example of marking label).	P
	Indications not placed on screws or other easily removable part	Indications placed on main part	P
	Terminals associated with any one pole for switches of pattern number 2, 3, 03 and 6/2: similar identification differing from that of terminals associated with other poles		N/A
8.5	Neutral terminals: N .....	Only art.72105	P
	Earthing terminals: [earth symbol] .....	No earth	N/A
	Markings not placed on screws or other easily removable parts		P
	Terminals for conductors not forming part of the main function of the switch:		N/A
	- clearly identified unless their purpose is self evident, or	Terminals on main part of switch	N/A
	- indicated in a wiring diagram fixed to the accessory		N/A
	Identification of equipment terminals may be achieved by:		N/A
	- their marking with graphical symbols according to IEC 60417 or colours and/or alphanumeric system, or		N/A
	- their physical dimension or relative location		N/A
8.6	Switches marked to indicate the switch position: they are so marked that the direction of movement of the actuating member to its different positions or the actual position is clearly indicated.....		P
	Switches having more than one actuating member: marking indicates the effect achieved by the operation	Only art.72114.x	P
	Marking clearly visible on the front of the switch		P
	Not possible to fix cover, cover plate, or removable actuating members in an incorrect position	Position of actuating member does not have effect on correct operation (momentary contacts)	N/A
	Symbols for "on" and "off" not used for indication of switch positions unless clearly indicate the direction of movement of the actuating members		N/A
8.7	Red colour only for push-button to open the circuit		N/A
8.8	Special precautions necessary to take when installing the switch: details of these and clear information given in an instruction sheet which accompanies the switch		N/A

IEC 60669-1			
Clause	Requirement + Test	Result - Remark	Verdict
8.9	Marking durable and easily legible. Test: 15 s with water and 15 s with petroleum spirit		P
<b>9</b>	<b>CHECKING OF DIMENSIONS</b>		N/A
	Switches and boxes comply with the appropriate standard sheets, if any		N/A
<b>10</b>	<b>PROTECTION AGAINST ELECTRIC SHOCK</b>		<b>P</b>
10.1	Switches: live parts not accessible		P
	Switches designed to be fitted with pilot lights supplied at voltage other than ELV have means to prevent direct contact with the lamp		P
	Test with standard test finger shown in figure 1 of IEC 60529		P
	Switches with thermoplastic or electrometric material: additional test carried out at $35\text{ }^{\circ}\text{C} \pm 2\text{ }^{\circ}\text{C}$ with a straight unjointed test finger (75 N for 1 min)		P
	Straight unjointed test finger applied to thin-walled knock-outs with a force of 10 N	No knock-outs	N/A
	During the test: switches not deform and no live parts accessible		P
10.2	Knobs, operating levers, push buttons, rockers and the like: of insulating material, unless:		P
	- accessible metal parts separated from metal parts of mechanism by double or reinforced insulation, or	No accessible metal parts. In case of metal covers (art.70702.x, art.70703.x, art.70704.x and art.70707), distances are sufficient.	P
	- reliably connected to earth		N/A
10.3	Accessible parts of switches which a rated current $\leq 16\text{ A}$ are made of insulating material		P
10.3.1	Metal covers or cover plates protected by supplementary insulation made by insulating linings or insulating barriers		P
	Insulating linings or insulating barriers:		P
	- cannot be removed without being permanently damaged, or designed that		P
	- cannot be replaced in an incorrect position; if they are omitted, accessories are rendered inoperable or manifestly incomplete; there is no risk of accidental contact between live parts and metal covers or cover plates; precautions are taken to prevent creepage distances or clearances becoming less than the values specified in clause 23		P
10.3.2	Earthing of metal covers or cover plates: connection of low resistance		N/A

IEC 60669-1			
Clause	Requirement + Test	Result - Remark	Verdict

10.4	Metal parts of mechanism not insulated from live parts: not protrude from enclosure	springs	P
	Switches operated by means of a removable key or similar device: metal parts of mechanism insulated from live parts	No such means	N/A
10.5	Metal parts of mechanism not accessible and insulated from accessible metal parts, unless		P
	- separated from live parts (creepage distances and clearances have at least twice the value specified in clause 23), or		N/A
	- reliably connected to earth		N/A
10.6	Switches operated by means of a removable key or an intermediate part: key or an intermediate part can only touch parts insulated from live parts		N/A
	key or intermediate part: insulated from metal parts of mechanism, unless		N/A
	creepage distances and clearances between live parts and metal parts of mechanism have at least twice the values specified in clause 23		N/A
10.7	Cord-operated switches: impossible to touch live parts when fitting or replacing the pull cord	Not intended to replace the cord.	N/A

<b>11</b>	<b>PROVISION FOR EARTHING</b>		N/A
11.1	Accessible metal parts: provided with, or permanently and reliably connected to, an earthing terminal		N/A
11.2	Earthing terminals: with screw clamping or screwless terminals and comply with clause 12		N/A
	Capacity of earthing terminals not less than that of the corresponding terminals for the supply conductors		N/A
	Any additional external earthing terminal has a size suitable for conductors of at least 6 mm <sup>2</sup> (mm <sup>2</sup> ) .....		N/A
11.3	Surface-type switches with an enclosure of insulating material, with IP > X0 and more than one cable inlet, are provided for the continuity of the earthing circuit with:		N/A
	- an internal fixed earthing terminal, or		N/A
	- adequate space for a floating terminal allowing the connection of an incoming and outgoing conductor		N/A
11.4	Connection between earthing terminal and accessible metal parts: of low resistance		N/A
	Test current equal to 1,5 I <sub>n</sub> or 25 A (A) .....		—
	Resistance ≤ 0,05 Ω (Ω) .....		N/A

<b>12</b>	<b>TERMINALS</b>		<b>P</b>
12.1	General		P

IEC 60669-1			
Clause	Requirement + Test	Result - Remark	Verdict
	Switches provided with screw-type terminals or with screwless terminals ..... : Screw terminals		P
	Clamping means of terminals: not serve to fix any other components		P
	All the test on terminals, with the exception of the test of 12.3 11, made after the test of 15.1		P
12.2	Terminals with screw clamping for external copper conductors		P
12.2.1	Switches provided with terminals which allows the proper connection of copper conductors as shows in table 2		P
	Rated current (A) ..... : 16 A		—
	Type of conductor (rigid / flexible) ..... : rigid		—
	Smallest / largest cross-sectional area (mm <sup>2</sup> ) ..... : 1,5 mm <sup>2</sup> / 4 mm <sup>2</sup> (2 x 2,5 mm <sup>2</sup> )		—
	Diameter of largest conductor (mm) ..... : 2,72 mm		—
	Figure of terminal ..... : 2		—
	Minimum diameter D (minimum dimensions) of conductor space: required (mm); measured (mm) ... : 2,0 – 2,7 mm / 2,72 mm		P
12.2.2	Terminals allow the conductor to be connected without special preparation		P
12.2.3	Terminals have adequate mechanical strength		P
	Screws and nut for clamping the conductors have metric ISO thread or a comparable thread		P
	Screws not of soft metal such as zinc or aluminium		P
12.2.4	Terminals resistant to corrosion		P
12.2.5	Screw-type terminals clamp the conductor(s) without undue damage	See appended table 12.2.5	P
	During the test: conductor not slip out, no break near clamping unit and no damage		P
12.2.6	Terminals clamp the conductor reliably between metal surfaces	See appended table 12.2.6	P
	During the test: conductor not move noticeably		P
12.2.7	Terminals designed or placed that the conductor cannot slip out while the clamping screws or nuts are tightened	See appended table 12.2.7	P
	After the test: no wire of the conductor escaped outside the clamping unit thus reducing creepage distances and clearances to values lower than those indicated in clause 23		P
12.2.8	Terminals not work loose from their fixing to the switch		P
	Torque test:		P
	- rated current (A) ..... : 16 A		—



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Clause	Requirement + Test	Result - Remark	Verdict
	- solid rigid copper conductor of the largest cross-sectional area (mm <sup>2</sup> ) (table 2) .....	1,5 mm <sup>2</sup> / 4 mm <sup>2</sup> (2 x 2,5 mm <sup>2</sup> )	—
	- torque (Nm) (table 3 or appropriate figures 1, 2, 3, 4) .....	0,8 Nm	—
	Screws and nuts tightened and loosened 5 times. During the test: terminals not work loose and show no damage		P
12.2.9	Clamping screws or nuts of earthing terminals: adequately locked against accidental loosening, not possible to loosen them without the aid of a tool		N/A
12.2.10	Earthing terminals: no risk of corrosion		N/A
	Body of brass or other metal no less resistant to corrosion		N/A
	If the body is a part of a frame or enclosure of aluminium alloy, precautions are taken to avoid the risk of corrosion		N/A
12.2.11	Pillar terminals: distance g no less than the value specified in figure 1: required (mm); measured (mm) :		N/A
	Mantle terminals: distance g no less than the value specified in figure 5: required (mm); measured (mm) :		N/A
12.2.12	Lug terminals:		N/A
	- used only for switches having rated current $\geq 40$ A		N/A
	- fitted with spring washers or equally effective locking means		N/A
12.3	Screwless terminals for external copper conductors		N/A
12.3.1	Screwless terminals of the type suitable for:		N/A
	- for rigid copper conductors only, or		N/A
	- for both rigid and flexible copper conductors (tests carried out with rigid and then repeated with flexible conductors)		N/A
12.3.2	Screwless terminals provided with clamping units which allow the proper connection of rigid or of rigid and flexible conductors having nominal cross-sectional areas as shown in table 7		N/A
	Rated current (A) .....		—
	Type of conductor (rigid / flexible) .....		—
	Smallest / largest cross-sectional area (mm <sup>2</sup> ) .....		—
	Diameter of largest rigid conductor (mm) .....		—
	Diameter of largest flexible conductor (mm) .....		—
12.3.3	Screwless terminals allow the conductor to be connected without special preparation		N/A
12.3.4	Parts of screwless terminals intended for carrying current of materials as specified in 22.5		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
12.3.5	Screwless terminals clamp specified conductors with sufficient contact pressure without undue damage to the conductor		N/A
	Conductor clamped between metal surfaces		N/A
12.3.6	It is clear how the connection and disconnection of the conductors is to be made		N/A
	Disconnection of a conductor require an operation, other than a pull, so that can be made manually with or without a general-purpose tool		N/A
	It is not possible to confuse the opening for the use of a tool with the opening intended for the conductor		N/A
12.3.7	Screwless terminals intended for the interconnection of two or more conductors:		N/A
	- during insertion, operation of clamping means of one of the conductors is independent of operation of that for the other conductor(s);		N/A
	- during disconnection, conductors can be disconnected either at the same time or separately;		N/A
	- each conductor introduced in a separate clamping unit.		N/A
	It is possible clamp securely any number of conductors up to the maximum as designed. Number of conductors; Nominal cross-sectional area (mm <sup>2</sup> ) .....		N/A
12.3.8	Screwless terminals: adequate insertion obvious and over-insertion prevented		N/A
	Screwless terminals of switches: undue insertion of the conductor prevented by a stop if further insertion is liable to reduce creepage distances and/or clearances required in table 20 or to influence the mechanism		N/A
12.3.9	Screwless terminals properly fixed to the switch		N/A
	Not work loose when conductors are connected or disconnected		N/A
	Self-hardening resins used to fix terminals not subject to mechanical stress		N/A
12.3.10	Screwless terminals withstand mechanical stresses occurring in normal use	See appended table 12.3.10	N/A
	During application of the pull conductor not come out of the terminal		N/A
	Test with apparatus shown in figure 10	See appended table 12.3.10	N/A
	During the test conductors not move noticeably in the clamping unit		N/A
	After these tests: neither terminals nor clamping means have worked loose and conductors show no deterioration		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
12.3.11	Screwless terminals withstand electrical and thermal stresses occurring in normal use	See appended table 12.3.11	N/A
	After the test: inspection show no changes		N/A
	Repetition of test according to 12.3.10: screwless terminals withstand mechanical stresses occurring in normal use	See appended table 12.3.11	N/A
	During application of the pull conductor not come out of the terminal		N/A
	Test with apparatus shown in figure 10	See appended table 12.3.11	N/A
	During the test conductors not move noticeably in the clamping unit		N/A
	After these tests: neither terminals nor clamping means have worked loose and conductors show no deterioration		N/A
12.3.12	Screwless terminals: connected rigid solid conductor remains clamped, even when deflected during normal installation	See appended table 12.3.12	N/A
<b>13</b>	<b>CONSTRUCTIONAL REQUIREMENTS</b>		<b>P</b>
13.1	Insulating lining, barriers and like: adequate mechanical strength and secured in a reliable manner		P
13.2	Switches constructed so as to permit:		P
	- easy introduction and connection of the conductors in the terminals;		P
	- correct positioning of the conductors		P
	- easy fixing of the switch to a wall or in a box		P
	- adequate space between underside of the base and the surface on which the base is mounted or between the sides of the base and the enclosure (cover or box)		P
	Surface-type switches: fixing means do not damage insulation of the cable		N/A
	Switches classified as design A: permit easy positioning and removal of the cover or cover plate, without displacing the conductors		P
13.3	Covers, cover-plates and actuating members or parts of them intended to ensure protection against electric shock:		N/A
	- held in place at two or more points by effective fixings		N/A
	- fixed by means of a single fixing, e.g. by a screw, provided that they are located by another means (e.g. by a shoulder)		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
	Fixings of covers, cover-plates or actuating members of switches of design A serves to fix the base: there is means to maintain the base in position, even after removal of the covers, cover-plates or actuating members		N/A
13.3.1	Covers, cover plates or actuating members whose fixing is of the screw-type:		N/A
	Compliance checked by inspection only		N/A
13.3.2	Covers, cover plates or actuating members whose fixing is not dependent on screws and whose removal is obtained by applying a force in a direction approximately perpendicular to the mounting/supporting surface:		P
	Compliance checked, when their removal may give access, with the standard test finger:		P
	to live parts: by the test of 20.4 (verification of the non-removal and the removal)		P
	to non-earthed metal parts separated from live parts by creepage distances and clearances according to table 20: by the test of 20.5 (verification of the non-removal and the removal)		N/A
	only to insulating parts, or earthed metal parts, or metal parts separated from live parts by creepage distances and clearances twice those according to table 20, or live parts of SELV circuits not greater than 25 V a.c.: by the test of 20.6 (verification of the non-removal and the removal)		N/A
13.3.3	Covers, cover-plates or actuating members whose fixing is not dependent on screws and whose removal is obtained by using a tool, in accordance with the manufacturer's information given in an instruction sheet or in a catalogue:		N/A
	Compliance checked, when their removal may give access, with the standard test finger:		N/A
	to live parts: by the test of 20.4 (verification of the non-removal only)		N/A
	to non-earthed metal parts separated from live parts by creepage distances and clearances according to table 20: by the test of 20.5 (verification of the non-removal only)		N/A
	only to insulating parts, or earthed metal parts, or metal parts separated from live parts by creepage distances and clearances twice those according to table 20, or live parts of SELV circuits not greater than 25 V a.c.: by the test of 20.6 (verification of the non-removal only)		N/A
13.4	Switches: no free openings in their enclosures according to their IP classification	IP20	P
13.5	Knobs of rotary switches securely attached to the shaft or part operating the mechanism		N/A
	- axial pull test: 100 N for 1 min		N/A
	- knob of switches having only one direction of operation: turned 100 times in the reverse direction		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
	During the test: knob not become detached		N/A
13.6	Screws or other means for mounting the switch on a surface or in a box or enclosure: easily accessible from the front.	No screws	N/A
	Fixing means not serve any other fixing purpose		N/A
13.7	Combinations of switches, or of switches and socket-outlets, comprising separate bases: correct position of each base ensured	No combinations	N/A
	Fixing of each base independent of the fixing of the combination to the mounting surface		N/A
13.8	Accessories combined with switches: comply with their standard		N/A
13.9	Surface-type switches with IP > 20 are in according to their classification when fitted with conduits or with sheathed cables	Flush mounted switches	N/A
	Surface-type switches with IPX4 or IPX5 have provisions for opening a drain hole		N/A
	Switches provided with a drain hole: it is not less than 5 mm in diameter, or 20 mm <sup>2</sup> in area with a width and a length not less than 3 mm .....	Ø mm / mm <sup>2</sup>	N/A
	Drain hole: effective		N/A
	Lid springs (if any): of corrosion resistant material (bronze or stainless steel)		N/A
13.10	Switches to be installed in a box: conductor ends can be prepared after the box is mounted in position, but before the switch is fitted in the box		P
	Base have adequate stability when mounted in the box		P
13.11	Surface-type switches with IP > X0, pattern numbers 1, 5 and 6, with more than one inlet opening, provided with:		N/A
	- fixed additional terminal complying with the requirements of clause 12, or		N/A
	- adequate space for a floating terminal		N/A
13.12	Inlet openings: allow the introduction of the conduit or the sheath of the cable	No inlet openings	N/A
	Surface-type switches: intended conduit or protective covering can enter at least 1 mm into the enclosure		N/A
	Inlet openings for conduit entries of surface-type switches: capable of accepting conduit sizes of 16, 20, 25 or 32 or a combination of at least two of these sizes not excluding two of the same size .....		N/A
	Inlet openings for cable entries of surface-type switches: capable of accepting cables having the dimensions specified in table 12 or be as specified by the manufacturer: rated current (A); limits of external diameter of cables min/max (mm) .....		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
13.13	Surface-type switches: provision for back entry (if are intended)		N/A
13.14	Membranes or the like (if provided): replaceable	No membranes	N/A
13.15	Requirements for membranes in inlet openings		N/A
13.15.1	Membranes reliably fixed and not displaced by the mechanical and thermal stresses occurring in normal use		N/A
	Test on membranes subjected to the ageing treatment specified in 15.1 and fitted with the switches		N/A
	Switches placed at 40 °C for 2 h. Force of 30 N applied for 5 s by test finger. During the test: no deformation, live parts not accessible		N/A
	Membranes likely to be subjected to an axial pull: axial pull of 30 N applied for 5 s. During the test: membranes not come out		N/A
	After the test: no harmful deformation, cracks or similar damage		N/A
	Test repeated with membranes not subjected to any treatment		N/A
13.15.2	Membranes in inlet openings: introduction of the cables into the accessory permitted when the ambient temperature is low		N/A
	Test on membranes not subjected to the ageing treatment specified in 15.1 and fitted with the switches		N/A
	Switches kept at -5 °C for 2 h: possibility to introduce cables of the heaviest type through the membranes		N/A
	After the test: no harmful deformation, cracks or similar damage		N/A
13.16	Flexible cable outlet switches: flexible cable (60245 IEC 66 or 60227 IEC 53, or as specified by the manufacturer) may enter the switch through a suitable hole, groove or gland .....		N/A
	Maximum dimension of flexible cable having conductors specified in table 12a accepted by the entry:		N/A
	- rated current (A) .....		—
	- cross-sectional area (mm <sup>2</sup> ) (min 1,5 mm <sup>2</sup> ) .....		—
	Entry shaped to prevent damage to the flexible cable		N/A
	Flexible cable outlet switches: provided with cable anchorage		N/A
	Cable anchorage: contains the sheath, of insulating material or provided with an insulating lining fixed to the metal parts		N/A
	Cable anchorage: anchor the flexible cable securely to the switch		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
	Cable anchorage cannot be released from the outside		N/A
	Use of a special purpose tool not required		N/A
	Screws: not serve to fix any other component, unless		N/A
	- switch is rendered manifestly incomplete if component omitted or replaced in an incorrect position, or		N/A
	- component cannot be removed without further use of a tool		N/A
	Pull test (30 N, 25 times): cable 60227 IEC 53, cross-sectional area 1,5 mm <sup>2</sup> ; torque (Nm) (2/3 table 3) .....		N/A
	Torque test: torque 0,15 Nm for 1 min, cable not displaced > 2 mm .....		N/A
	Pull test (60 N, 25 times): cable 60245 IEC 66, diameter (mm) of cable; torque (Nm) (2/3 table 3) ...		N/A
	Torque test: torque 0,35 Nm for 1 min, cable not displaced > 2 mm .....		N/A
	Test voltage of 2000 V a.c. applied for 1 min between the conductors and the cord anchorage:		N/A
	During the test: insulation of flexible cable not damaged (no breakdown or flashover)		N/A

<b>14</b>	<b>MECHANISM</b>		<b>P</b>
14.1	Actuating member of a switch, when released, automatically take up the position corresponding to that of moving contacts		P
14.2	Moving contact of switches can come to rest only in "on" and "off" positions		P
	Intermediate position permissible if:		N/A
	- it corresponds to the intermediate position of the actuating member, and		N/A
	- the insulation between fixed and moving contacts is adequate. Electric strength test as specified in 16.2: test voltage a.c. for 1 min (V) .....	2000 V	P
14.3	No undue arcing in slowly operation		P
	Test carried out at the end of the test of clause 19.1: breaking of the circuit 10 times, actuating member moved over a period of 2 s. During the test: no sustained arcing		P
14.4	Switches of pattern numbers 2, 3, 03 and 6/2 make and break all poles substantially simultaneously		N/A
	Neutral pole of switches of pattern numbers 03 not make after or break before the other poles		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
14.5	Action of the mechanism: independent of the presence of cover or cover plate. Test: no flicker		P
14.6	Cord-operated switches: effecting a change by application and removal a pull not exceeding:		P
	- 45 N applied vertically, and		P
	- 65 N applied at 45° ± 5°		P
<b>15</b>	<b>RESISTANCE TO AGEING, PROTECTION PROVIDED BY ENCLOSURES OF SWITCHES, AND RESISTANCE TO HUMIDITY</b>		<b>P</b>
15.1	Resistance to ageing		P
	Switches and boxes placed for 7 days (168 h) in a heating cabinet at 70 °C ± 2 °C		P
	- no crack visible after test with normal or corrected vision without additional magnification		P
	- no sticky or greasy material as a result of heat		P
	- no trace of cloth (forefinger pressed with 5 N)		P
	- no other damage as a result of heat		P
15.2	Protection provided by enclosures of switches		P
15.2.1	Protection against access to hazardous parts and against harmful effects due to ingress of solid foreign objects		P
	Enclosure of the switch provides a degree of protection against access to hazardous parts and against harmful effects due to ingress of solid foreign objects in accordance with the IP classification of the switch	IP20	P
	Glands: torque (Nm) (2/3 of torque applied in 20.3) :	-	—
	Screws of the enclosure: torque (Nm) (2/3 table 3) .....	-	—
15.2.1.1	Protection against access to hazardous parts		P
	Appropriate test according to IEC 60529 ..... :	IP20	P
15.2.1.2	Protection against harmful effects due to ingress of solid foreign objects		P
	Appropriate test according to IEC 60529 ..... :	IP20	P
	Dust not penetrate in quantity to interfere with satisfactory operation or to impair safety		P
15.2.2	Protection against harmful effects due to ingress of water		N/A
	Enclosure of switches provide a degree of protection against harmful effects due to ingress of water in accordance with their IP classification		N/A
	Appropriate test according to IEC 60529 ..... :	IP20	N/A
	Flush-type and semi-flush-type switches fixed:		N/A
	- in a test wall using an appropriate box in accordance with the manufacturer's instructions		N/A
	- in a test wall according to figure 27		N/A



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Clause	Requirement + Test	Result - Remark	Verdict
	Screws of the enclosure: torque (Nm) (2/3 table 3) .....	-	—
	Glands: torque (Nm) (2/3 of torque applied in table 19) .....	-	—
	Specimens withstand an electric strength test specified in 16.2 which is started within 5 min of completion of the test		N/A
15.3	Resistance to humidity		P
	Switches proof against humidity which may occur in normal use		P
	Compliance checked by a humidity treatment carried out in a humidity cabinet containing air with relative humidity maintained between 91 % and 95 %. Specimens kept in the cabinet for:		P
	- 2 days (48 h) for switches with IPX0		P
	- 7 days (168 h) for switches with IP>X0		N/A
	After this treatment: specimens show no damage		P
<b>16</b>	<b>INSULATION RESISTANCE AND ELECTRIC STRENGTH</b>		<b>P</b>
16.1	The insulation resistance measured 1 min after application of 500 V d.c.	See appended table 16.1	P
16.2	Electric strength: a.c. test voltage applied for 1 min	See appended table 16.2	P
<b>17</b>	<b>TEMPERATURE RISE</b>		<b>P</b>
17.1	Switches so constructed that the temperature rise in normal use is not excessive	See appended table 17	P
	No oxidation or any other deterioration of contacts		P
17.2	Switches incorporating or intended to incorporate pilot lights are designed that in normal use temperature of the accessible surface is not excessive	See appended table 17	P
<b>18</b>	<b>MAKING AND BREAKING CAPACITY</b>		<b>P</b>
	Switches have adequate making and breaking capacity		P
	- model/type reference .....	art.72101, art.72103, art.72104, art.72111, art.72112, art.72114.x, art.72105 and art.72117.x	—
	- pattern number .....	art.72101 (1), art.72103 (6), art.72104 (7), art.72111 (1),art.72112 (1), art.72114.x (6+1), art.72105 (1) and art.72117.x (1)	—
	- rated voltage (V) .....	250 V	—
	- rated current (A) .....	16 A	—

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Clause	Requirement + Test	Result - Remark	Verdict
	- nominal cross-sectional area as for the test of clause 17 (mm <sup>2</sup> ) .....	2,5 mm <sup>2</sup>	—
18.1	Test with cos $\phi$ 0,3 alternating current		P
	- test voltage (1,1 V <sub>n</sub> ) (V) .....	275 V	—
	- test current (1,25 I <sub>n</sub> ) (cos $\phi$ 0,3) (A) .....	20 A	—
	- 200 operations; rate (operations per minute) .....	15	—
	- samples number .....	1, 2, 3	—
	During the test: no sustained arcing		P
	After the test: specimens show no damage		P
18.2	Test with tungsten filament lamps load (switches with I <sub>n</sub> ≤ 16 A / V <sub>n</sub> ≤ 250 V and switches of pattern numbers 3 and 03 with V <sub>n</sub> > 250 V)		P
	- test voltage (V <sub>n</sub> ) (V) .....	250 V	—
	- test current (≥ 1,2 I <sub>n</sub> ) (A) .....	19,2 A	—
	- number of 200 W tungsten filament lamps .....	25	—
	- 200 operations; rate (operations per minute) .....	15	—
	- samples number .....	1, 2, 3	—
	During the test: no sustained arcing nor welding of the contacts		P
	After the test: specimens show no damage		P
<b>19</b>	<b>NORMAL OPERATION</b>		<b>P</b>
19.1	Switches withstand without excessive wear or other harmful effect, the mechanical, electrical and thermal stresses occurring in normal use		P
	- model/type reference .....	art.72101, art.72103, art.72104, art.72111, art.72112, art.72114.x, art.72105 and art.72117.x	—
	- pattern number .....	art.72101 (1), art.72103 (6), art.72104 (7), art.72111 (1), art.72112 (1), art.72114.x (6+1), art.72105 (1) and art.72117.x (1)	—
	- nominal cross-sectional area per clause 18 (mm <sup>2</sup> ) .....	2,5 mm <sup>2</sup>	—
	- test voltage (V <sub>n</sub> ) (V) .....	250 V	—
	- test current (I <sub>n</sub> ) (cos $\phi$ 0,6) (A) .....	16 A	—
	- number of operations per table 17 .....	40 000	—
	- rate (operations per minute) .....	15	—
	- samples number .....	1, 2, 3	—
	Reduced electric strength per clause 16	See appended table 19.1	P

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Clause	Requirement + Test	Result - Remark	Verdict
	Temperature rise test per clause 17 after normal operation	See appended table 19.1	P
	After the tests the specimens not show:		P
	- wear impairing their further use;		P
	- discrepancy between the position of the actuating member (if indicated) and that of the moving contacts		P
	- deterioration of enclosures, insulating lining or barriers;		P
	- seepage of sealing compound	No sealing compound	N/A
	- loosening of electrical or mechanical connections;		P
	- displacement of moving contacts of switches pattern number 2, 3, 03 or 6/2		N/A
	No sustained arcing in slowly operation (sub-clause 14.3)		P
19.2	Switches intended for fluorescent lamp load withstand, without excessive wear or other harmful effect, the electrical and thermal stresses occurring when controlling fluorescent lamp circuits		P
	- model/type reference .....	art.72101, art.72103, art.72104, art.72111, art.72112, art.72114.x, art.72105 and art.72117.x	—
	- pattern number .....	art.72101 (1), art.72103 (6), art.72104 (7), art.72111 (1), art.72112 (1), art.72114.x (6+1), art.72105 (1) and art.72117.x (1)	—
	- nominal cross-sectional area per clause 18 (mm <sup>2</sup> ) .....	2,5 mm <sup>2</sup>	—
	- rate (operations per minute) .....	15	—
	- test voltage (Vn); test current (In) (cos φ 0,9); number of operations with load A .....	250 V / 16 A / 10 000	—
	- test voltage (Vn); 100 operations with load B .....	250 V / 100	—
	- samples number .....	1, 2, 3	—
	During the test: copper wire F not melt, specimens function correctly, no sustained arcing or welding of contacts		P
	Temperature rise test per clause 17 after normal operation	See appended table 19.2	P
	After the tests it is possible to make and break the switch by hand, and specimen not show:		P
	- wear impairing their further use;		P

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Clause	Requirement + Test	Result - Remark	Verdict
	- discrepancy between the position of the actuating member (if indicated) and that of the moving contacts		P
	- deterioration of enclosures, insulating lining or barriers;		P
	- loosening of electrical or mechanical connections;		P
	- seepage of sealing compound	No sealing compound	N/A
	- displacement of moving contacts of switches pattern number 2, 3 or 6/2		N/A

<b>20</b>	<b>MECHANICAL STRENGTH</b>		<b>P</b>
	Switches, boxes and screwed glands have adequate mechanical strength		P
20.1	For all types of switches and for boxes: impact test (9 blows)	See appended table 20.1	P
	After the test: no damage, live parts no become accessible		P
20.2	Bases of surface-type switches first fixed to a cylinder of rigid steel sheet of radius equal to 4,5 times the distance between fixing holes (mm) ..... : Flush type		N/A
	Bases then fixed to a flat steel sheet		N/A
	Torque applied to fixing screws (Nm) ..... : 0,5 Nm / 1,2 Nm		—
	During and after the test: bases show no damage		N/A
20.3	Screwed glands of switches with that have IP code higher than IP20: torque test		N/A
	- diameter of cylindrical metal test rod (mm) ..... : -		—
	- type of material ..... : metal / moulded material		—
	- torque for 1 min (table 19) (Nm) ..... : -		—
	After the test: no damage of glands and enclosure of the specimens		N/A
20.4	Force necessary for covers, cover-plates or actuating members to come off or not to come off (accessibility with the test finger to live parts)		P
20.4.1	Verification of the non-removal of covers, cover-plates or actuating member		P
	Force applied for 1 min in direction perpendicular to the mounting surface ..... : 40 N / 80 N		—
	Covers, cover-plates or actuating members not come off	Actuating member firmly fixed within switch. Not possible to remove without use of tool	P
	Test repeated on new specimens with a sheet of hard material, 1 mm ± 0,1 mm thick, fitted around the supporting frame (fig. 19)		P
	Covers, cover-plates or actuating members not come off		P
	After the test: no damage		P

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Clause	Requirement + Test	Result - Remark	Verdict
20.4.2	Verification of the removal of covers, cover-plates or actuating members		N/A
	Force not exceeding 120 N applied 10 times in direction perpendicular to the mounting / supporting surface: covers, cover-plates or actuating members come off		N/A
	Test repeated on new specimens with a sheet of hard material, 1 mm ± 0,1 mm thick, fitted around the supporting frame (fig. 19)		N/A
	Covers, cover-plates or actuating members come off		N/A
	After the test: no damage		N/A
20.5	Force necessary for covers, cover-plates or actuating members to come off or not to come off (accessibility with the test finger to non-earthed metal parts separated from live parts by creepage distances and clearances according to table 20)		N/A
20.4.1	Verification of the non-removal of covers, cover-plates or actuating members		N/A
	Force applied for 1 min in direction perpendicular to the mounting surface .....: 10 N / 20 N		—
	Covers or cover-plates not come off		N/A
	Test repeated on new specimens with a sheet of hard material, 1 mm ± 0,1 mm thick, fitted around the supporting frame (fig. 19)		N/A
	Covers, cover-plates or actuating members not come off		N/A
	After the test: no damage		N/A
20.4.2	Verification of the removal of covers, cover-plates or actuating members		N/A
	Force not exceeding 120 N applied 10 times in direction perpendicular to the mounting / supporting surface: covers, cover-plates or actuating members come off		N/A
	Test repeated on new specimens with a sheet of hard material, 1 mm ± 0,1 mm thick, fitted around the supporting frame (fig. 19)		N/A
	Covers, cover-plates or actuating members come off		N/A
	After the test: no damage		N/A
20.6	Force necessary for covers, cover-plates or actuating members to come off or not to come off (accessibility to insulating parts, earthed metal parts, live parts of SELV ≤ 25 V a.c. or metal parts separated from live parts by creepage distances twice those according to table 20)		N/A
20.4.1	Verification of the non-removal of covers, cover-plates or actuating members		N/A
	Force 10 N applied for 1 min in direction perpendicular to the mounting surface: covers, cover-plates or actuating members not come off		N/A
	Test repeated on new specimens with a sheet of hard material, 1 mm ± 0,1 mm thick, fitted around the supporting frame (fig. 19)		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
	Covers, cover-plates or actuating members not come off		N/A
	After the test: no damage		N/A
20.4.2	Verification of the removal of covers, cover-plates or actuating members		N/A
	Force not exceeding 120 N applied 10 times in direction perpendicular to the mounting / supporting surface: covers, cover-plates or actuating members come off		N/A
	Test repeated on new specimens with a sheet of hard material, 1 mm $\pm$ 0,1 mm thick, fitted around the supporting frame (fig. 19)		N/A
	Covers, cover-plates or actuating members come off		N/A
	After the test: no damage		N/A
20.7	Test with gauge of figure 20 applied according to figure 21 for verification of the outline of covers, cover-plates or actuating members: distances between face C of gauge and outline of side under test, not decrease ..... : complying		—
20.8	Test with gauge according to figure 23 applied as shown in figure 24 (1 N): gauge not enter more than 1mm ..... : complying		—
20.9	Operating members of cord-operated switch have adequate strength	art.72117.x	P
	Pull test: pull 100 N for 1 min (normal use); pull of 50 N for 1 min (unfavourable direction). After the test:		P
	- switch show no damage		P
	- operating member not broken and cord-operated switch still operate		P

<b>21</b>	<b>RESISTANCE TO HEAT</b>		<b>P</b>
21.1	Switches kept for 1 h in a heating cabinet at a temperature of 100 °C $\pm$ 2 °C		P
	During the test: no change impairing their further use and sealing compound, if any, not flow		P
	After the test: no access to live parts, markings still legible		P
21.2	Parts of insulating material necessary to retain current-carrying parts and parts of the earthing circuit in position: ball-pressure test (1 h, 125 °C)	See appended table 21.2	P
21.3	Parts of insulating material not necessary to retain current-carrying parts and parts of the earthing circuit in position, even though in contact with them: ball-pressure test (1 h)	See appended table 21.3	P

<b>22</b>	<b>SCREWS, CURRENT-CARRYING PARTS AND CONNECTIONS</b>		<b>P</b>
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IEC 60669-1			
Clause	Requirement + Test	Result - Remark	Verdict
22.1	Connections withstand mechanical stresses		P
	Thread-forming or thread-cutting screws used only if supplied together with the piece in which they are intended to be inserted		P
	thread-cutting screws intended to be used during installation are captive with the relevant part of the accessory		N/A
	Screws and nuts which transmit contact pressure: in engagement with a metal thread		P
	Threaded part torque test	See appended table 22.1	P
22.2	Screws in engagement with a thread of insulating material: correct introduction into the screw hole or nut ensured		N/A
22.3	Contact pressure: not transmitted through insulating material other than ceramic, pure mica or other material no less suitable unless there is sufficient resiliency in metallic parts		P
22.4	Screws and rivets locked against loosening or turning		P
22.5	Current-carrying parts of metal having mechanical strength, electrical conductivity and resistance to corrosion adequate:		P
	- copper;		N/A
	- alloy with at least 58 % copper for parts made from cold-rolled sheet or with at least 50 % copper for other parts;		P
	- stainless steel with at least 13 % chromium and not more than 0,12 % carbon		N/A
	- steel with electroplated coating of zinc (ISO 2081): service condition ISO no. (1/2/3); IP (X0/X4/X5); thickness (µm) .....		N/A
	- steel with electroplated coating of nickel and chromium (ISO 1456): service condition ISO no. (2/3/4); IP (X0/X4/X5); thickness (µm) .....		N/A
	- steel with electroplated coating of tin (ISO 2093): service condition ISO no. (2/3/4); IP (X0/X4/X5); thickness (µm) .....		N/A
	Current-carrying parts subjected to mechanical wear: not of steel with electroplated coating		P
	Metals having a great difference of electrochemical potential: not used in contact with each other		P
22.6	Contacts subjected to sliding action: of metal resistant to corrosion		N/A
22.7	Thread-forming screws and thread-cutting screws not used for the connection of current-carrying parts		P

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Clause	Requirement + Test	Result - Remark	Verdict
	Thread-forming screws and thread-cutting screws used to provide earthing continuity: not necessary to disturb the connection and at least two screws are used for each connection		N/A
<b>23</b>	<b>CREEPAGE DISTANCES, CLEARANCES AND DISTANCES THROUGH SEALING COMPOUND</b>		<b>P</b>
23.1	Creepage distances, clearances and distances through sealing compound no less than the values shown in table 20	See appended table 23.1	P
23.2	Insulating compound: not protrude above the edge of the cavity in which it is contained		P
<b>24</b>	<b>RESISTANCE OF INSULATING MATERIAL TO ABNORMAL HEAT, TO FIRE AND TO TRACKING</b>		<b>P</b>
24.1	Parts of insulating material which might be exposed to thermal stresses due to electric effects and the deterioration of which might impair the safety are not unduly affected by abnormal heat and fire		P
24.1.1	Glow-wire test according to IEC 60695-2-1	See appended table 24.1.1	P
24.2	Parts of insulating material retaining live parts in position of switches with IP>X0: of material resistant to tracking	IP20	N/A
	Tracking test with solution A of IEC 60112	See appended table 24.2	N/A
<b>25</b>	<b>RESISTANCE TO RUSTING</b>		<b>P</b>
	Ferrous parts protected against rusting		P
	Test: 10 min in carbontetrachloride, trichloroethane or equivalent degreasing agent, 10 min 10 % solution of ammonium chloride, 10 min in a box with air saturated with moisture and 10 min at 100 °C ± 5 °C:		P
	No signs of rust		P
<b>26</b>	<b>EMC REQUIREMENTS</b>		<b>N/A</b>
26.1	Immunity		N/A
	No immunity tests necessary		N/A
26.2	Emission		N/A
	No emission tests necessary		N/A



IEC 60669-1			
Clause	Requirement + Test	Result - Remark	Verdict

12.2.5	TABLE: test with apparatus shown in figure 10 (screw terminals)			P
	rated current (A) .....	16 A	—	
	type of conductors .....	rigid solid	—	
	smallest/largest cross-sectional area per table 2 (mm <sup>2</sup> ) .....	1,5 mm <sup>2</sup> / 4 mm <sup>2</sup>	—	
	number of conductors .....	1 - 2	—	
	nominal diameter of thread (mm); torque per table 3 (Nm) .....	3,4 mm / 0,8 Nm	—	
Cross-sectional area (mm <sup>2</sup> )	Diameter of bushing hole per table 4 (mm)	Height H per table 4 (mm)	Mass (kg)	Remarks
1,5 mm <sup>2</sup>	6,5 mm	260 mm	0,4	P
2 x 2,5 mm <sup>2</sup>	9,5 mm	280 mm	0,7	P
4 mm <sup>2</sup>	9,5 mm	280 mm	0,9	P
supplementary information: Switches of all type references have the same terminal construction				

12.2.6	TABLE: pull test (screw terminals)			P
	rated current (A) .....		16 A	—
	smallest/largest cross-sectional area per table 2 (mm²) .....		1 mm² / 2 x 2,5 mm² / 4 mm²	—
	nominal diameter of thread (mm); torque 2/3 per table 3 (Nm) .....		3,4 mm / 0,54 Nm	—
Cross-sectional area (mm²)	Number of conductors	Type of conductors (rigid solid / rigid stranded)	Pull per table 5 applied for 1 min (N)	Remarks
1 mm²	1	rigid solid	50	P
2,5 mm²	2	rigid solid	50	P
4 mm²	1	rigid solid	50	P
supplementary information: Switches of all type references have the same terminal construction				

12.2.7	TABLE: tightening test (screw terminals)			P
	rated current (A) .....	16 A		—
	nominal diameter of thread (mm); torque 2/3 per table 3 (Nm) .....	3,4 mm / 0,54 Nm		—
Largest cross-sectional area per table 2 (mm²)	Permissible number of conductors	Type of conductors (rigid solid / rigid stranded)	Number of wires and nominal diameter of wires per table 6	Remarks
2,5 mm²	2	rigid solid	1 x 1,78 mm	P
2.5 mm²	2	rigid stranded	7 x 0,67 mm	P

IEC 60669-1				
Clause	Requirement + Test		Result - Remark	Verdict
12.2.7	<b>TABLE: tightening test (screw terminals)</b>			P
	rated current (A) .....	:	16 A	—
	nominal diameter of thread (mm); torque 2/3 per table 3 (Nm) .....	:	3,4 mm / 0,54 Nm	—
Largest cross-sectional area per table 2 (mm <sup>2</sup> )	Permissible number of conductors	Type of conductors (rigid solid / rigid stranded)	Number of wires and nominal diameter of wires per table 6	Remarks
4 mm <sup>2</sup>	2	rigid solid	1 x 2,25 mm	P
supplementary information: Switches of all type references have the same terminal construction				

IEC 60669-1			
Clause	Requirement + Test	Result - Remark	Verdict

12.3.10	TABLE: mechanical stresses occurring in normal use (screwless terminals)				N/A
	rated current (A) .....			—	
	largest/smallest cross-sectional area per table 7 (mm <sup>2</sup> ) .....			—	
Number of connection (after that conductor subjected to a pull of 30 N for 1 min) / disconnection		Type of conductor (solid / rigid stranded / flexible)	Cross-sectional area (mm <sup>2</sup> )	Remarks	
	TABLE: test with apparatus shown in figure 10				
	rated current (A) .....			—	
	type of conductors .....		rigid solid / rigid stranded	—	
	smallest/largest cross-sectional area per table 7 (mm <sup>2</sup> ) .....			—	
	number of conductors .....			—	
Cross-sectional area (mm <sup>2</sup> )	Diameter of bushing hole per table 4 (mm)	Height H per table 4 (mm)	Mass (kg)	Remarks	
supplementary information:					

12.3.11	<b>TABLE: electrical and thermal stresses occurring in normal use</b>			N/A
Test a)	Test carried out for 1 h connecting rigid solid conductors:			N/A
	test current per table 8 (A) .....			—
	nominal cross-sectional area (mm <sup>2</sup> ) .....			—
	Screwless terminal number	Voltage drop (mV)	Required voltage drop	
	1		≤ 15 mV	
	2		≤ 15 mV	
	3		≤ 15 mV	
	4		≤ 15 mV	
	5		≤ 15 mV	
Test b)	Temperature cycles test) carried out on terminals subjected to Test a):			N/A
	test current per table 8 (A) .....			—
	nominal cross-sectional area (mm <sup>2</sup> ) .....			—
	allowed voltage drop (mV) .....	≤ 22,5 mV or 2 times 24 <sup>th</sup> cycle value (mV)		—

IEC 60669-1			
Clause	Requirement + Test	Result - Remark	Verdict

Screwless terminal number	1	2	3	4	5	Remarks
voltage drop after 24 <sup>th</sup> cycle						
voltage drop after 48 <sup>th</sup> cycle						
voltage drop after 72 <sup>th</sup> cycle						
voltage drop after 96 <sup>th</sup> cycle						
voltage drop after 120 <sup>th</sup> cycle						
voltage drop after 144 <sup>th</sup> cycle						
voltage drop after 168 <sup>th</sup> cycle						
voltage drop after 192 <sup>th</sup> cycle						

12.3.10	<b>TABLE: mechanical stresses occurring in normal use</b>					N/A
	rated current (A) .....					—
	largest/smallest cross-sectional area per table 7 (mm <sup>2</sup> ) .....					—

Number of connection (after that conductor subjected to a pull of 30 N for 1 min) / disconnection	Type of conductor (solid / rigid stranded / flexible)	Cross-sectional area (mm <sup>2</sup> )	Remarks

	<b>TABLE: test with apparatus shown in figure 10</b>					N/A
	rated current (A) .....					—
	type of conductors .....					rigid solid / rigid stranded
	smallest/largest cross-sectional area per table 7 (mm <sup>2</sup> ) .....					—
	number of conductors .....					—

Cross-sectional area (mm <sup>2</sup> )	Diameter of bushing hole per table 4 (mm)	Height H per table 4 (mm)	Mass (kg)	Remarks

supplementary information:

IEC 60669-1			
Clause	Requirement + Test	Result - Remark	Verdict

12.3.12	<b>TABLE: deflection test (principle of test apparatus shown in figure 11a)</b>						N/A
	Test carried out for 1 h connecting rigid solid conductors:						-
	test current (A) (equal rated current) .....						—
	required voltage drop (mV) ..... ≤ 25 mV						—
Type of conductor		Smallest			Largest		Remarks
cross-sectional area per table 9 (mm <sup>2</sup> )							
force per table 10 (N)							
screwless terminal number		1	2	3	1	2	3
starting point (X = deflection original point)		X	X+10°	X+20°	X	X+10°	X+20°
voltage drop 1 <sup>st</sup> deflection (mV)							
voltage drop 2 <sup>nd</sup> deflection (mV)							
voltage drop 3 <sup>rd</sup> deflection (mV)							
voltage drop 4 <sup>th</sup> deflection (mV)							
voltage drop 5 <sup>th</sup> deflection (mV)							
voltage drop 6 <sup>th</sup> deflection (mV)							
voltage drop 7 <sup>th</sup> deflection (mV)							
voltage drop 8 <sup>th</sup> deflection (mV)							
voltage drop 9 <sup>th</sup> deflection (mV)							
voltage drop 10 <sup>th</sup> deflection (mV)							
voltage drop 11 <sup>th</sup> deflection (mV)							
voltage drop 12 <sup>th</sup> deflection (mV)							
supplementary information:							

16.1	<b>TABLE: insulation resistance</b>			P
Item per table 20	test voltage applied between:	measured (MΩ)	required (MΩ)	
1	Between all poles connected together and the body	> 100 MΩ	5	
2	Between each pole in turn and all other poles connected to the body with the switch in the ON position	> 100 MΩ	2	
3	Between the terminals which are electrically connected together when switch in ON position, the switch being in OFF position ( <u>normal gap</u> )	> 100 MΩ	2	

IEC 60669-1			
Clause	Requirement + Test	Result - Remark	Verdict
16.1	<b>TABLE: insulation resistance</b>		P
Item per table 20	test voltage applied between:	measured (MΩ)	required (MΩ)
4	Between metal parts of the mechanism ( <u>spring in momentary contact switches</u> ) and live parts	> 100 MΩ	5
supplementary information:			

16.2	<b>TABLE: electric strength</b>		P
	rated voltage (V) .....	250 V	—
item per table 20	test voltage applied between:	test voltage (V)	flashover / breakdown (Yes/No)
1	Between all poles connected together and the body	2000 V~	No
2	Between each pole in turn and all other poles connected to the body with the switch in the ON position	2000 V~	No
3	Between the terminals which are electrically connected together when switch in ON position, the switch being in OFF position ( <u>normal gap</u> )	2000 V~	No
4	Between metal parts of the mechanism ( <u>spring in momentary contact switches</u> ) and live parts	2000 V~	No
supplementary information:			

17	<b>TABLE: temperature rise measurements</b>		P
	rated current (A) .....	16 A	—
	nominal cross-sectional area (mm <sup>2</sup> ) .....	2,5 mm <sup>2</sup>	—
	terminal screws: torque (Nm) (2/3 table 3) .....	0,54 Nm	—
	test current per table 15 passed for 1 h (A) .....	20 A	—
	rated voltage of pilot light (V) .....	24 V	—
	samples number .....	1, 2, 3	—
thermocouple locations		max. measured temperature rise (K)	allowed temperature rise (K)
Art.72101 (Sample 1)		30,3	45
Art.72101 (Sample 2)		28,6	45
Art.72101 (Sample 3)		31,0	45
Art.72103 (Sample 1)		31,9	45
Art.72103 (Sample 2)		26,5	45
Art.72103 (Sample 3)		29,4	45

IEC 60669-1			
Clause	Requirement + Test	Result - Remark	Verdict
17	<b>TABLE: temperature rise measurements</b>		P
	rated current (A) .....	16 A	—
	nominal cross-sectional area (mm <sup>2</sup> ) .....	2,5 mm <sup>2</sup>	—
	terminal screws: torque (Nm) (2/3 table 3) .....	0,54 Nm	—
	test current per table 15 passed for 1 h (A) .....	20 A	—
	rated voltage of pilot light (V) .....	24 V	—
	samples number .....	1, 2, 3	—
thermocouple locations		max. measured temperature rise (K)	allowed temperature rise (K)
Art.72104 (Sample 1)		35,7	45
Art.72104 (Sample 2)		31,7	45
Art.72104 (Sample 3)		36,0	45
supplementary information:			

IEC 60669-1			
Clause	Requirement + Test	Result - Remark	Verdict

19.1	<b>TABLE: reduced electric strength after normal operation (clause 19.1)</b>		P
item per table 20	test voltage applied between:	test voltage (V)	flashover / breakdown (Yes/No)
1	Between all poles connected together and the body	1500 V~	No
2	Between each pole in turn and all other poles connected to the body with the switch in the ON position	1500 V~	No
3	Between the terminals which are electrically connected together when switch in ON position, the switch being in OFF position ( <u>normal gap</u> )	1500 V~	No
4	Between metal parts of the mechanism ( <u>spring in momentary contact switches</u> ) and live parts	1500 V~	No
	<b>TABLE: temperature rise measurements at terminals after normal operation (clause 19.1)</b>		P
	test current (In) passed for 1 h (A) .....	16 A	—
thermocouple locations		max. measured temperature rise (K)	allowed temperature rise (K)
Art.72101 (Sample 1)		37,9	45
Art.72101 (Sample 2)		34,8	45
Art.72101 (Sample 3)		34,5	45
Art.72103 (Sample 1)		39,8	45
Art.72103 (Sample 2)		29,3	45
Art.72103 (Sample 3)		36,8	45
Art.72104 (Sample 1)		40,0	45
Art.72104 (Sample 2)		38,7	45
Art.72104 (Sample 3)		41,3	45
			45
supplementary information:			

19.2	<b>TABLE: temperature rise measurements at terminals after test with fluorescent lamp load (clause 19.2)</b>		P
	test current (In) passed for 1 h (A) .....	16 A	—
thermocouple locations		max. measured temperature rise (K)	allowed temperature rise (K)



IEC 60669-1			
Clause	Requirement + Test	Result - Remark	Verdict
19.2	<b>TABLE: temperature rise measurements at terminals after test with fluorescent lamp load (clause 19.2)</b>		P
	test current (In) passed for 1 h (A) .....	16 A	—
thermocouple locations		max. measured temperature rise (K)	allowed temperature rise (K)
Art.72101 (Sample 4)		35,4	45
Art.72101 (Sample 5)		38,6	45
Art.72101 (Sample 6)		32,6	45
Art.72103 (Sample 4)		33,8	45
Art.72103 (Sample 5)		29,9	45
Art.72103 (Sample 6)		35,9	45
Art.72104 (Sample 4)		37,9	45
Art.72104 (Sample 5)		41,5	45
Art.72104 (Sample 6)		40,1	45
supplementary information:			

20.1	<b>TABLE: impact test</b>			P
part of enclosure tested per table 18 (A, B, C, D)		blows per part	height of fall (mm)	comments
A (front surface parts)		5	100	No damage
supplementary information:				

21.2	<b>TABLE: ball pressure test of thermoplastic materials</b>			P
	allowed impression diameter (mm) .....	≤ 2 mm		—
part under test		material designation / manufacturer	test temperature (°C)	impression diameter (mm)
Switch body		Xantar 19 UR	125	< 1,5 mm
Actuator/rocker (black color)		Zytel 73G30HSL	125	< 1,5 mm
supplementary information:				

21.3	<b>TABLE: ball pressure test of thermoplastic materials</b>			P
	allowed impression diameter (mm) .....	≤ 2 mm		—
part under test		material designation / manufacturer	test temperature (°C) <sup>(1)</sup>	impression diameter (mm)

IEC 60669-1			
Clause	Requirement + Test	Result - Remark	Verdict

21.3	TABLE: ball pressure test of thermoplastic materials			P
	allowed impression diameter (mm) ..... : ≤ 2 mm			—
part under test		material designation / manufacturer	test temperature (°C) <sup>(1)</sup>	impression diameter (mm)
Mounting frame (grey)		Xantar 19 UR	70	< 2
Frame cover		ABS Novodur P2H-AT	70	< 2
Actuator cover		ABS Novodur P2H-AT	70	< 2
Actuator cover support		ABS Novodur P2H-AT	70	< 2
supplementary information:				
(1) 70 °C / 40 °C + highest temperature rise determined during the test of clause 17				

22.1	TABLE: threaded part torque test					P
threaded part identification	diameter of thread (mm)	column number (I, II, or III)	applied torque (Nm)	times (5/10)	no damage	
Terminal screw	3,4 mm	II	0.8	5	P	
supplementary information:						

23.1	<b>TABLE: creepage distances, clearances and distances through sealing compound</b>							P
	rated voltage (V) .....	250 V						—
item per table 20	creepage distance dcr, clearance cl and distance through sealing compound dtsc at/of:	required cl (mm)	cl (mm)	required dcr (mm)	dcr (mm)	required dtsc (mm)	dtsc (mm)	
1, 6	Between live parts which are separated when the contacts are open	≥ 3	3,5 min	≥ 3	3,5 min	≥ /	/	
3, 8	Between live parts and accessible surfaces of parts of insulating material	≥ 3	> 10	≥ 3	> 10	≥	/	
3, 8	Between live parts and metal parts of the mechanism (insulated from live parts) – spring in momentary contact switches	≥ 3	> 10	≥ 3	> 10	≥	/	
2, 7	Between live parts of different polarity (pilot light connection)	≥ 1	1.9	≥ 1	1.9	≥	/	
supplementary information:								
- No sealing compound used in switches								
- Measurements given for art.72104 (all other types have higher values)								

IEC 60669-1			
Clause	Requirement + Test	Result - Remark	Verdict

24.1.1	TABLE: glow-wire test			P
part under test	material designation / manufacturer	test temperature (°C)	remarks	
Switch body	Xantar 19 UR	850	Pass	
Actuator/rocker (black color)	PA 66GF – Zytel 73G45	850	Pass	
Mounting frame (grey)	Xantar 19 UR	650	Pass	
Frame cover	ABS Novodur P2H-AT	650	Pass	
Actuator cover	ABS Novodur P2H-AT	650	Pass	
Actuator cover support	ABS Novodur P2H-AT	650	Pass	
supplementary information:				

24.2	TABLE: resistance to tracking			N/A
	number of drops .....	50	—	
part under test		material designation / manufacturer	test voltage (V)	flashover / breakdown (Yes/No)
			175	
supplementary information:				

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Clause	Requirement + Test	Result - Remark	Verdict

National Differences for (country name)			N/A
	..... :		
	..... :		
	..... :		
	..... :		
	..... :		
	..... :		

**List of test equipment used**

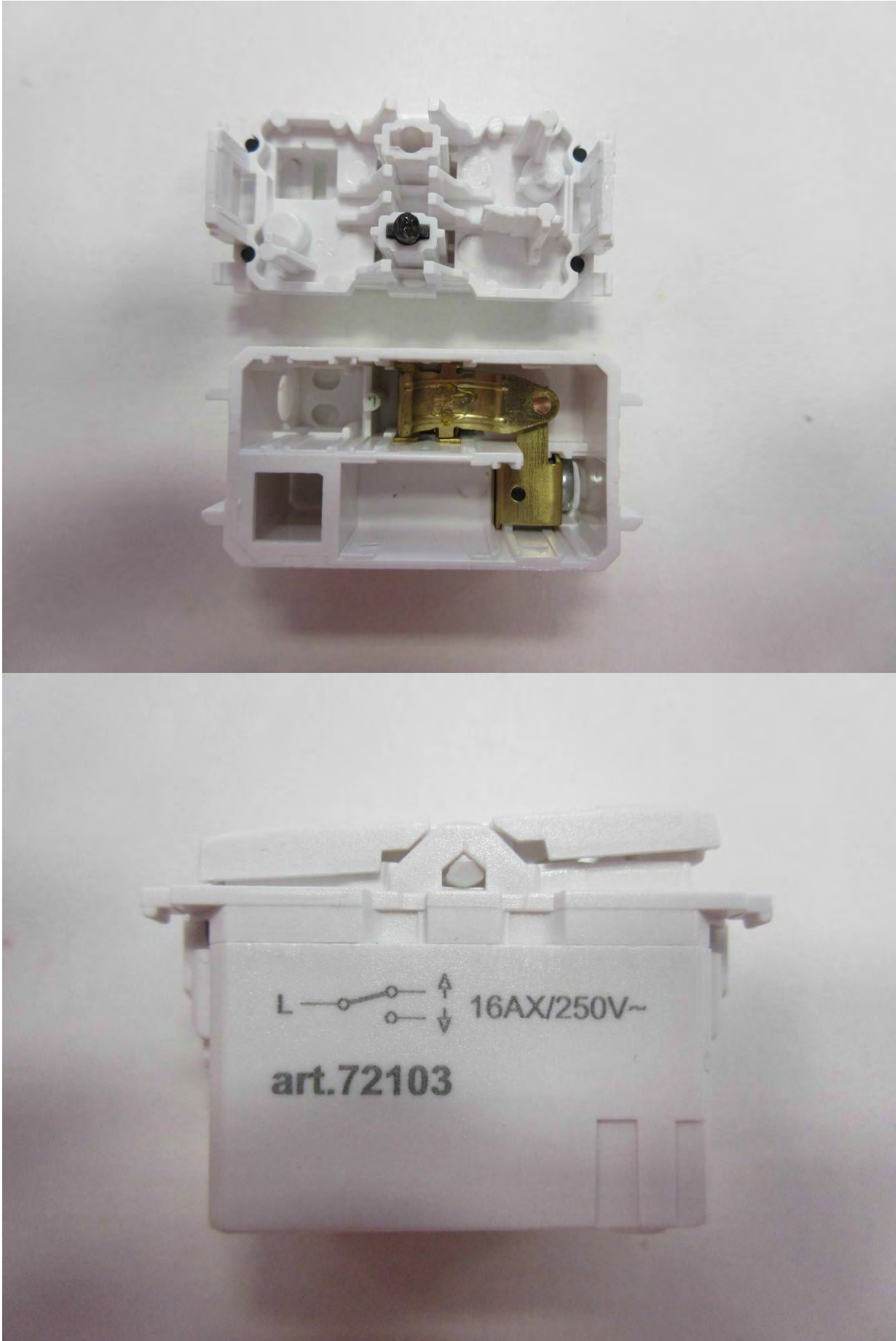
(Note: This is an example of the required attachment. Other forms with a different layout but containing similar information are also acceptable.)

Clause	Measurement / testing	Testing / measuring equipment / material used	Range used	Calibration date
9	Checking of dimensions	Caliper: Mitutoyo Absolte CD-15CPX; Gauges: SIQ	/	2016-04-18
10	Protection against electrical shock	Jointed test finger, unjointed test finger,	/	/
12.2	Tests on screw terminals	Torque meter: Stahlwille SIQ Id. 104376 Figure 11: Arrangement for checking damage to conductors	0 – 140 Ncm	2017-03-14
15.1	Ageing test	Heating cabinet: Kambič S-205 Omega HH314A SIQ Id. 414	/	2016-05-07
15.3	Humidity treatment	Humidity chamber: SIQ Omega HH314A SIQ Id. 414	/	2016-05-07
16.1	Insulation resistance	Insulation test equipment: Kikusui SM001164 (SIQ 106873)	DC 500 V	2015-05-30
16.2	Electric strength	High voltage test equipment: Kikusui TOS5301 (SIQ 106936)	AC 2000 V	2015-12-01
17	Temperature rise	V-meter, A-meter, T meter: Kiethley 2700 SIQ Id. ID.474	/	2015-11-04
20.1	Impact test	Impact-test apparatus: SIQ Id.102511	/	/
21	Resistance to heat	Heating cabinet: Kambič S205 Ball pressure test apparatus: SIQ Id.104309 Omega HH314A SIQ Id. 414		2017-05-18 2016-05-07
23	Creepage distances, clearances	Caliper: Mitutoyo Absolte CD-15CPX SIQ Id. 105203	/	2016-04-18
24.1.1	Glow-wire test	GW apparatus: PTL T03.14 SIQ Id. 102252	850°C / 650°C	2016-12-03

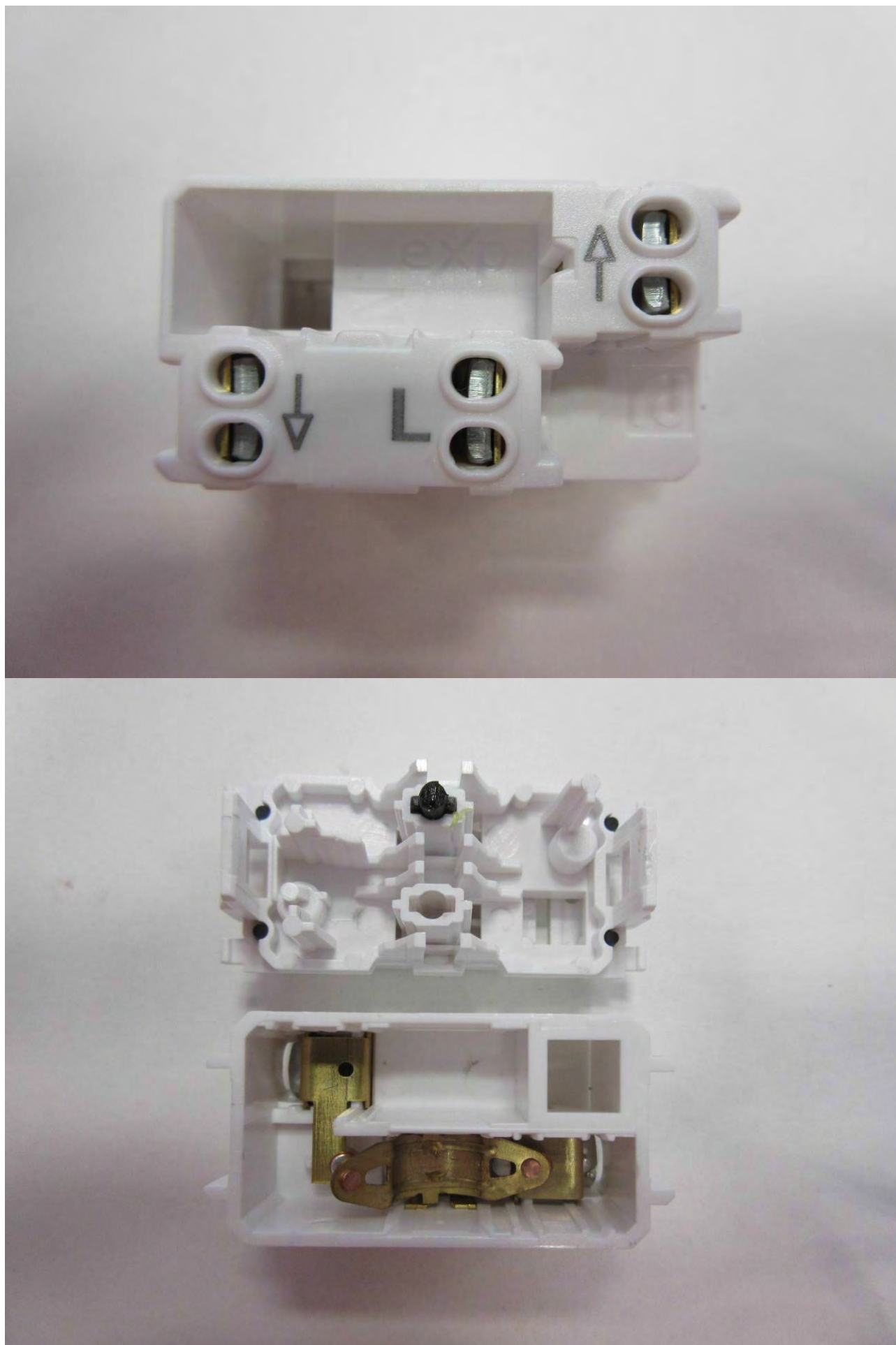
# Enclosure No.:1

## Photo documentation



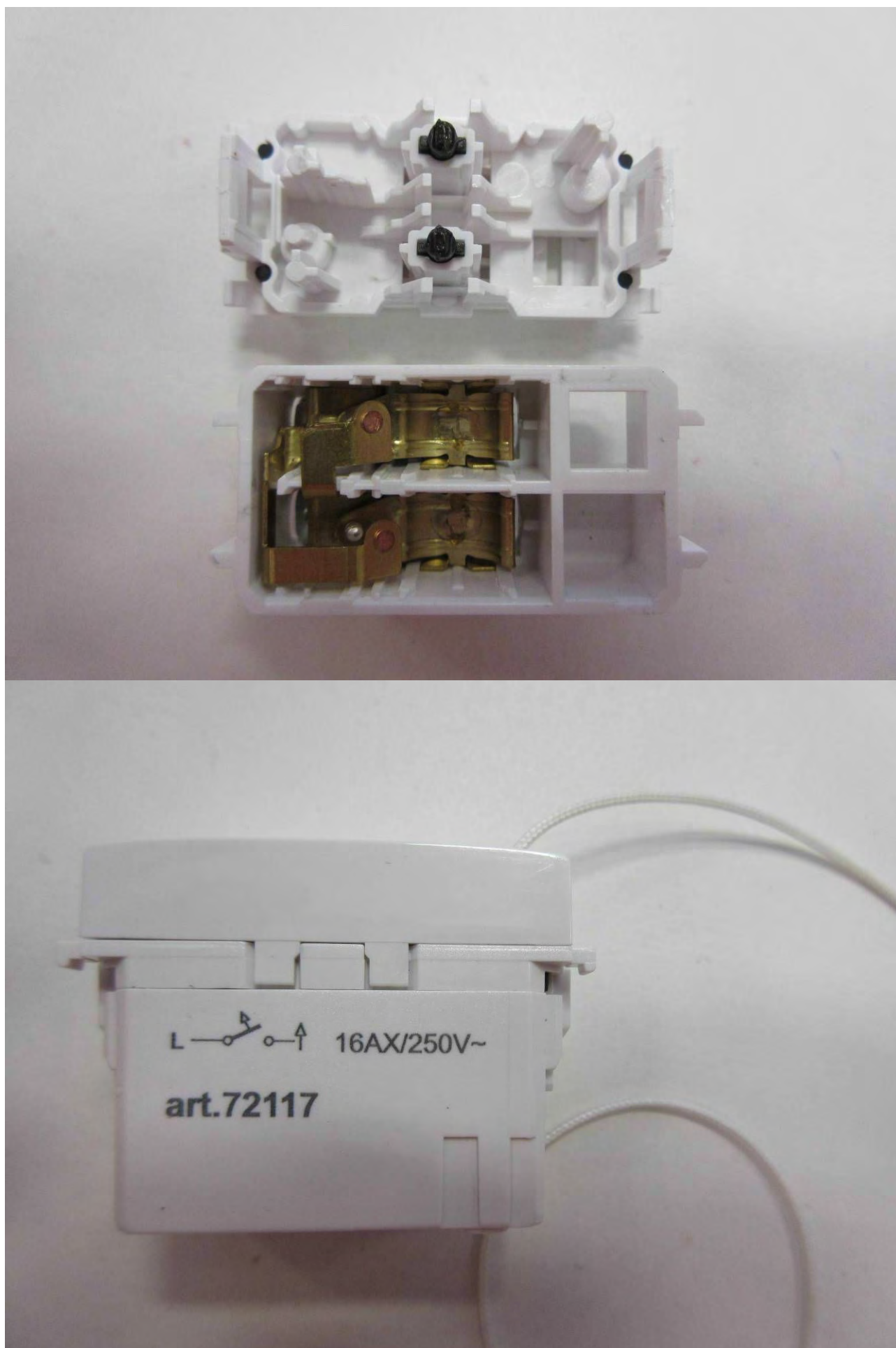


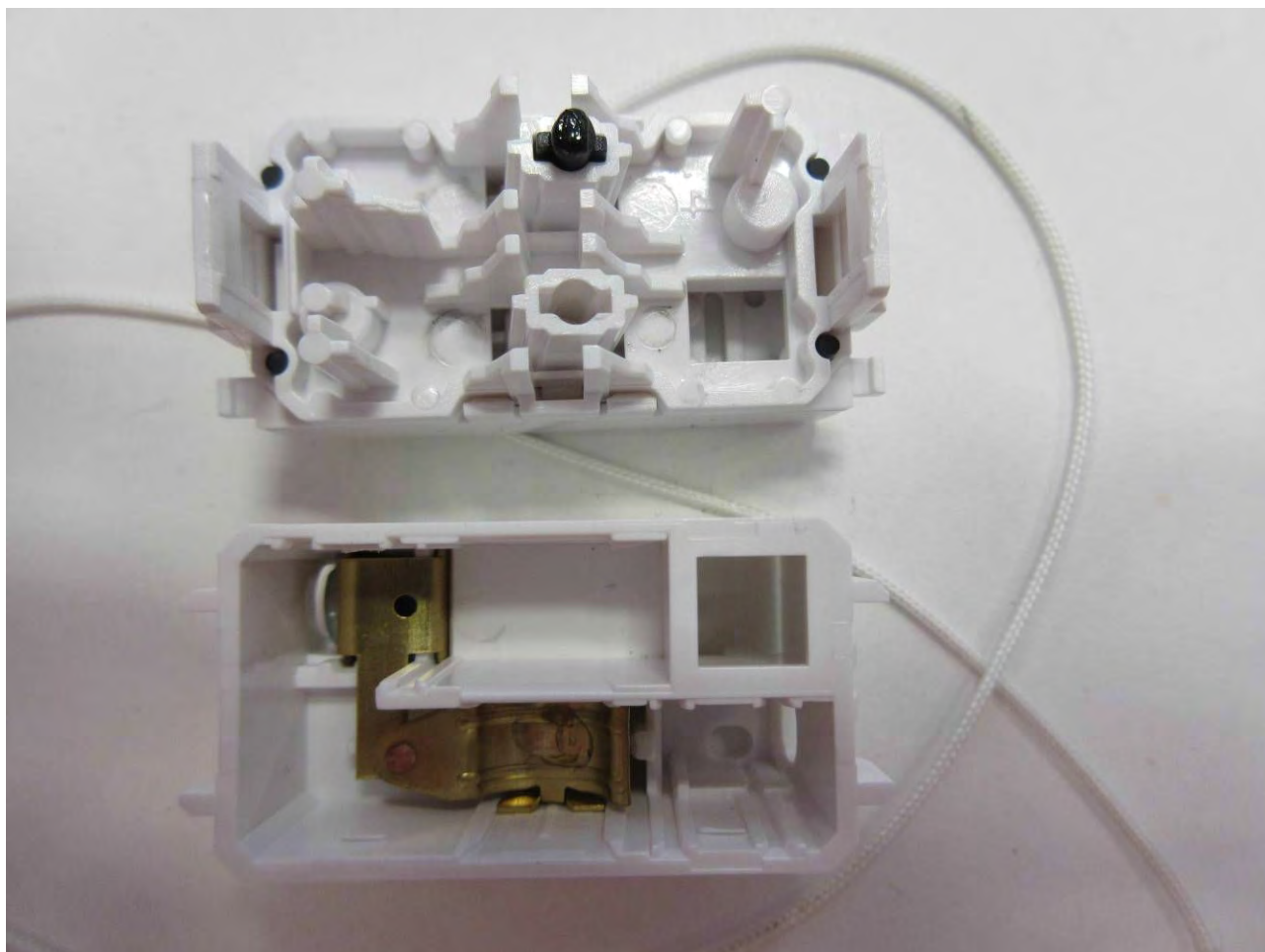






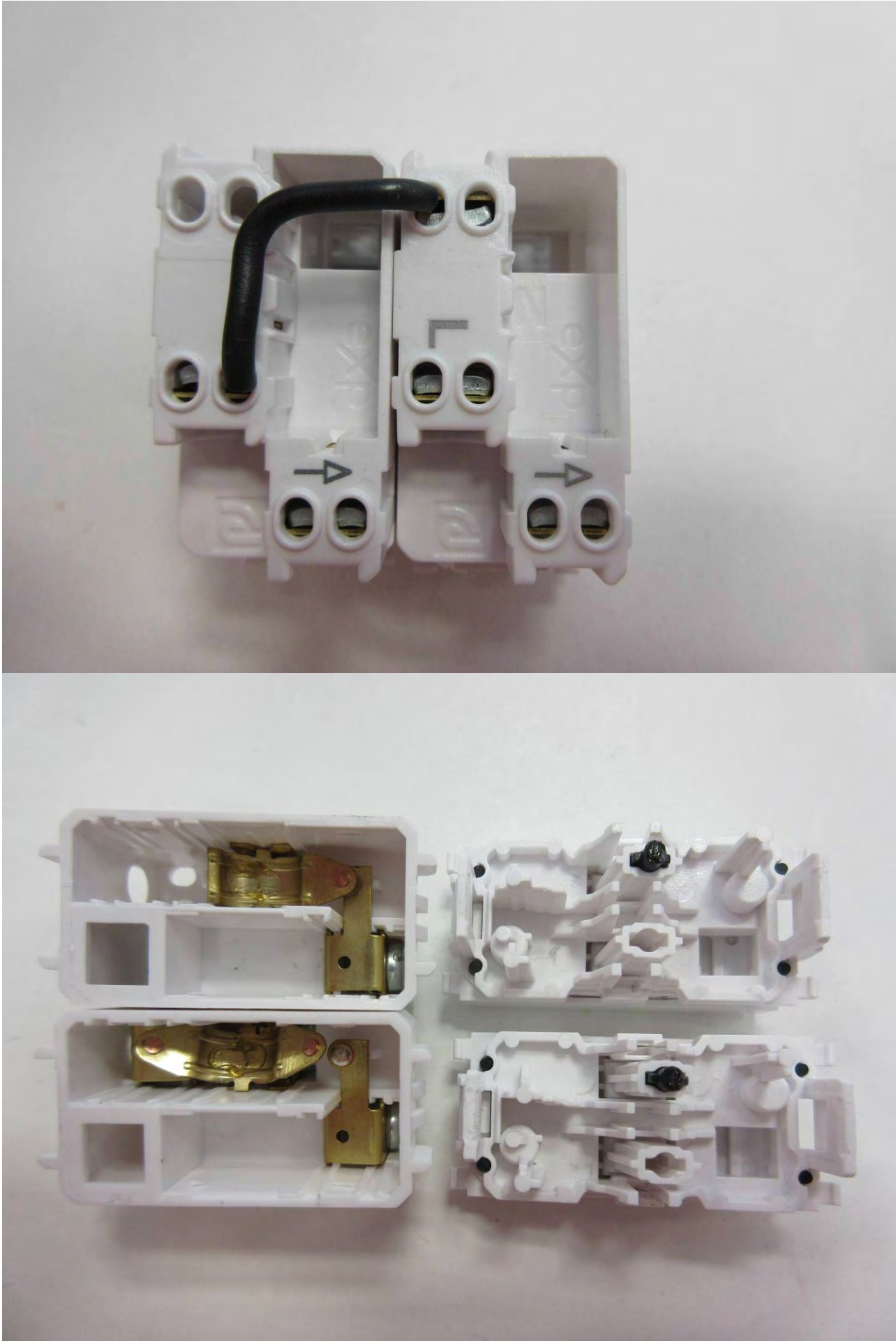






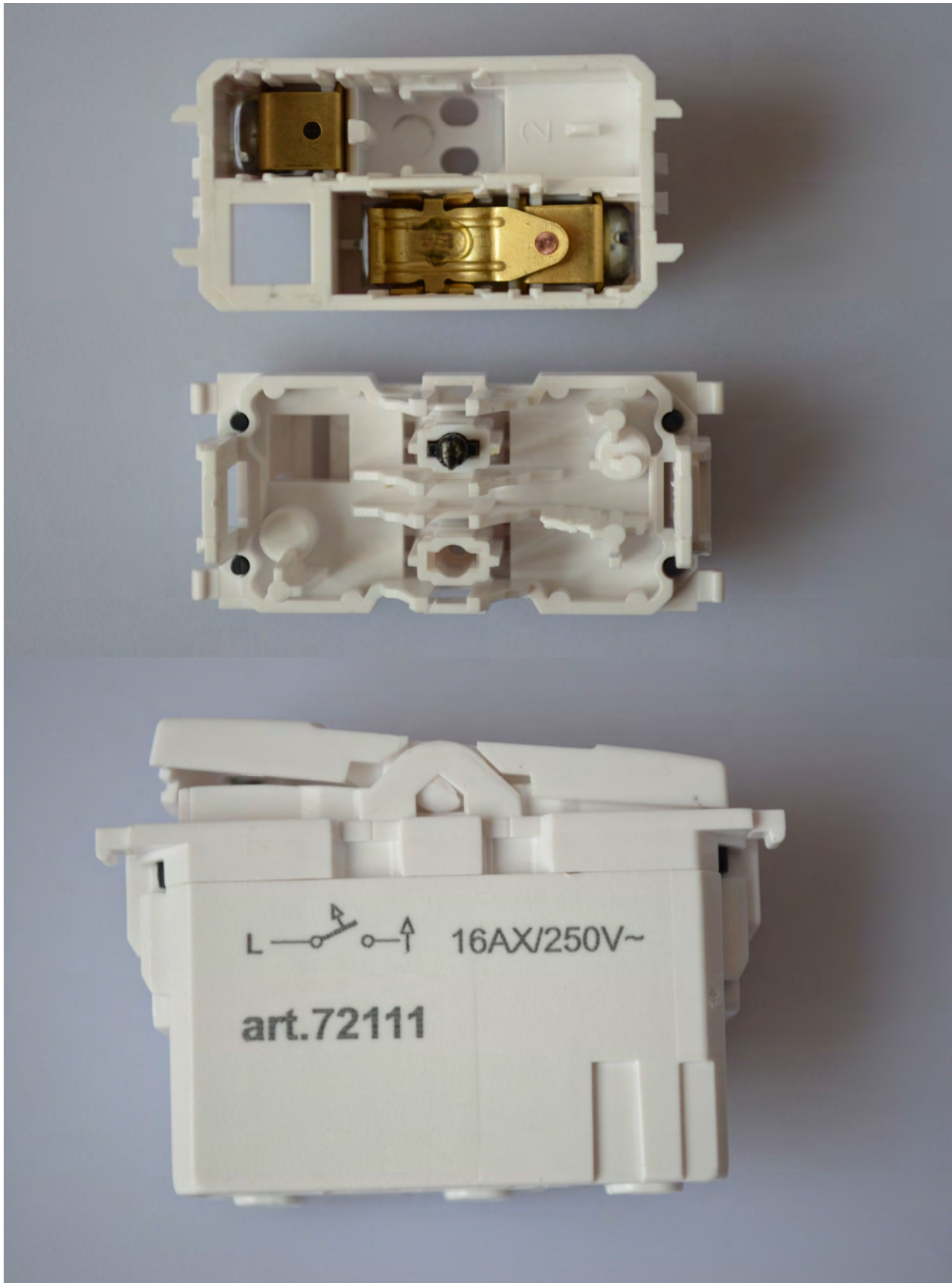




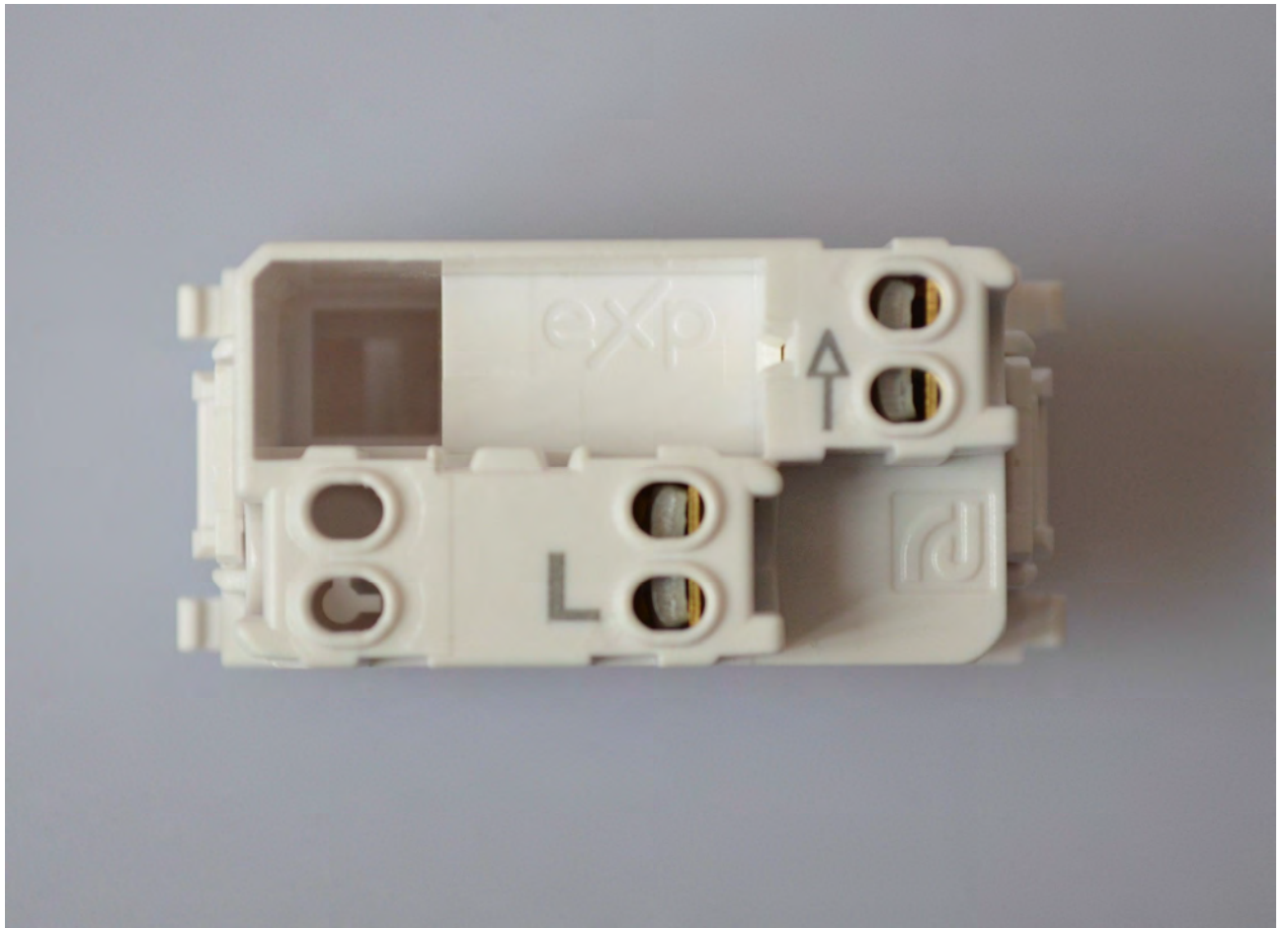


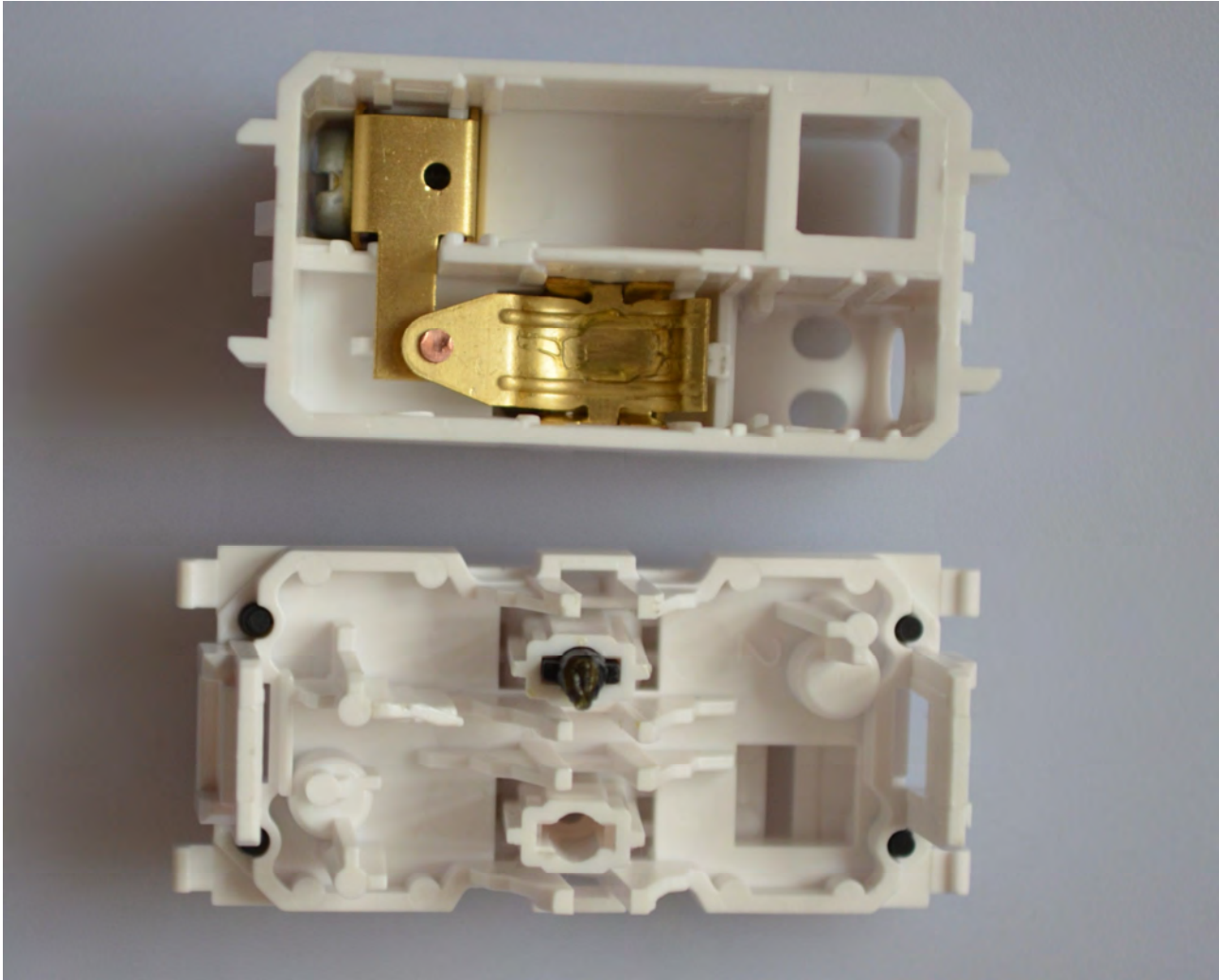




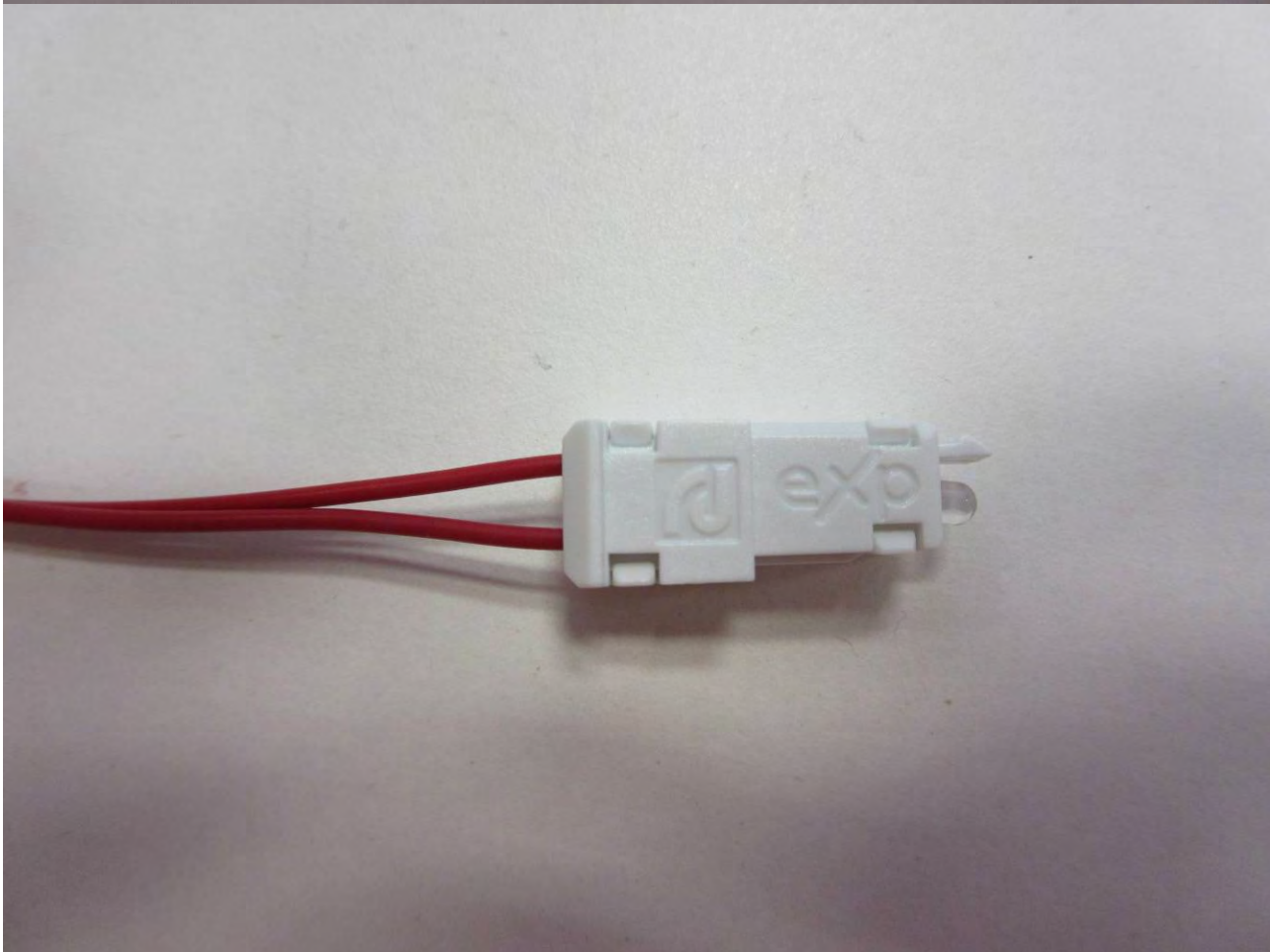










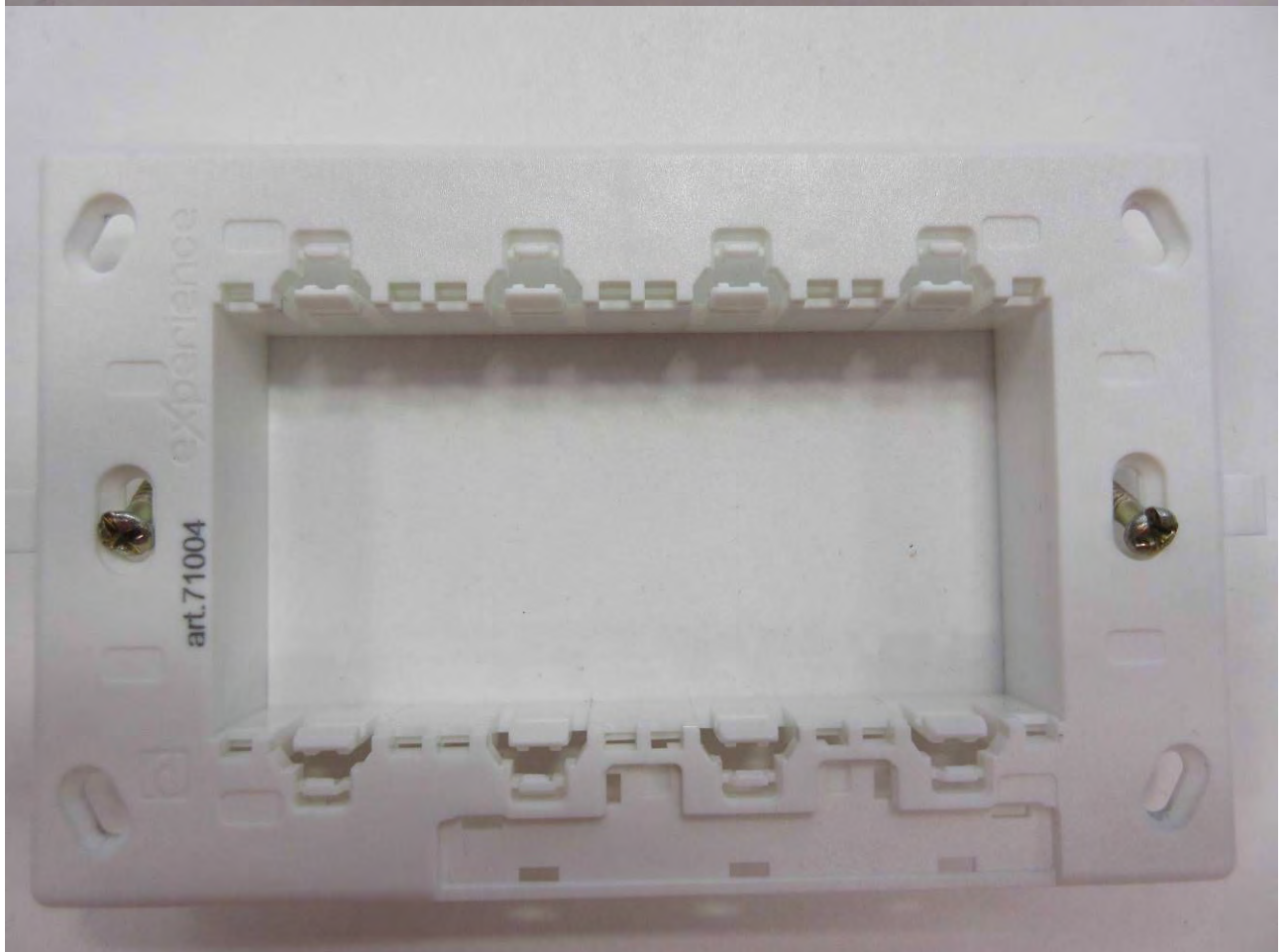
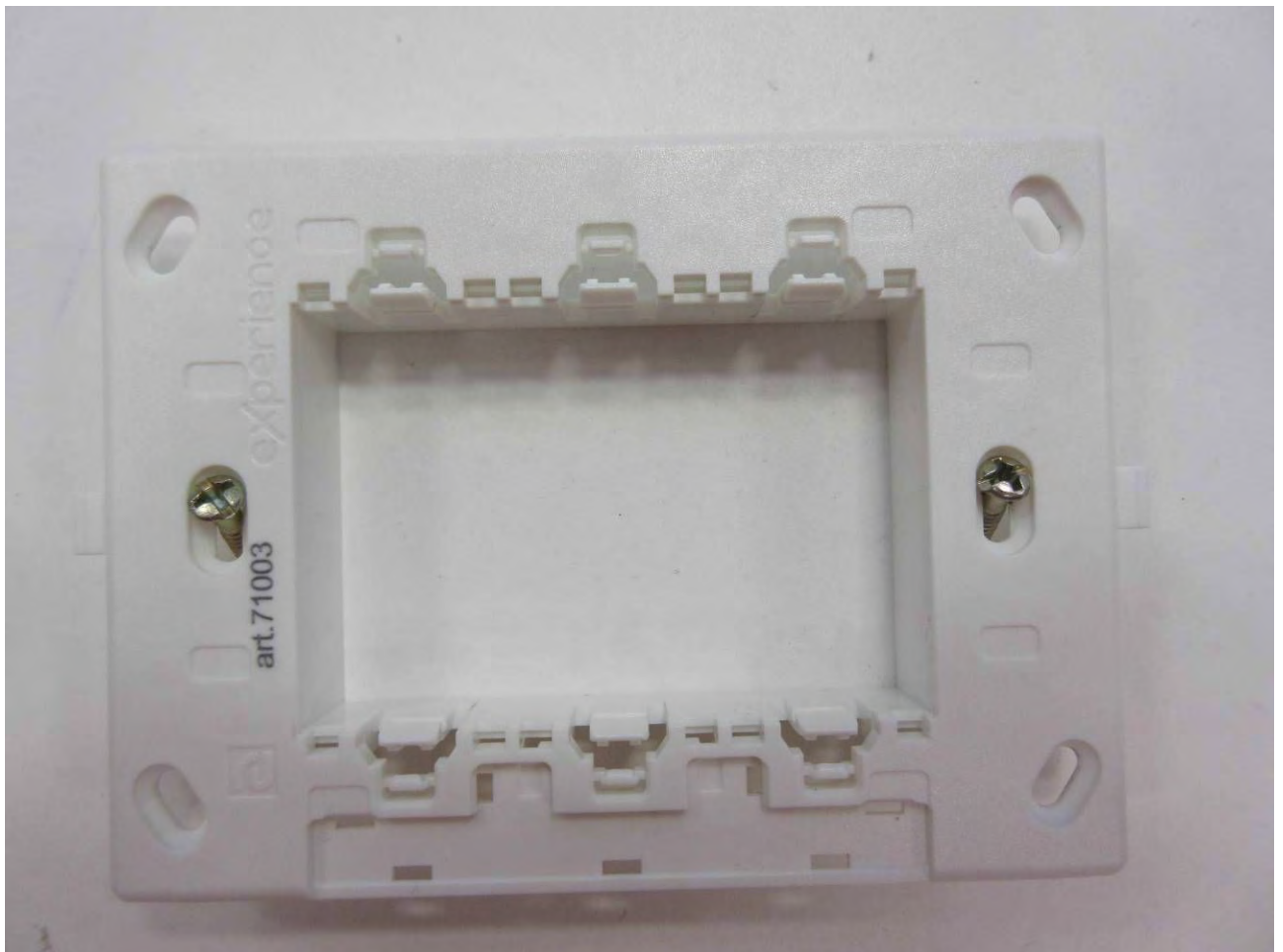


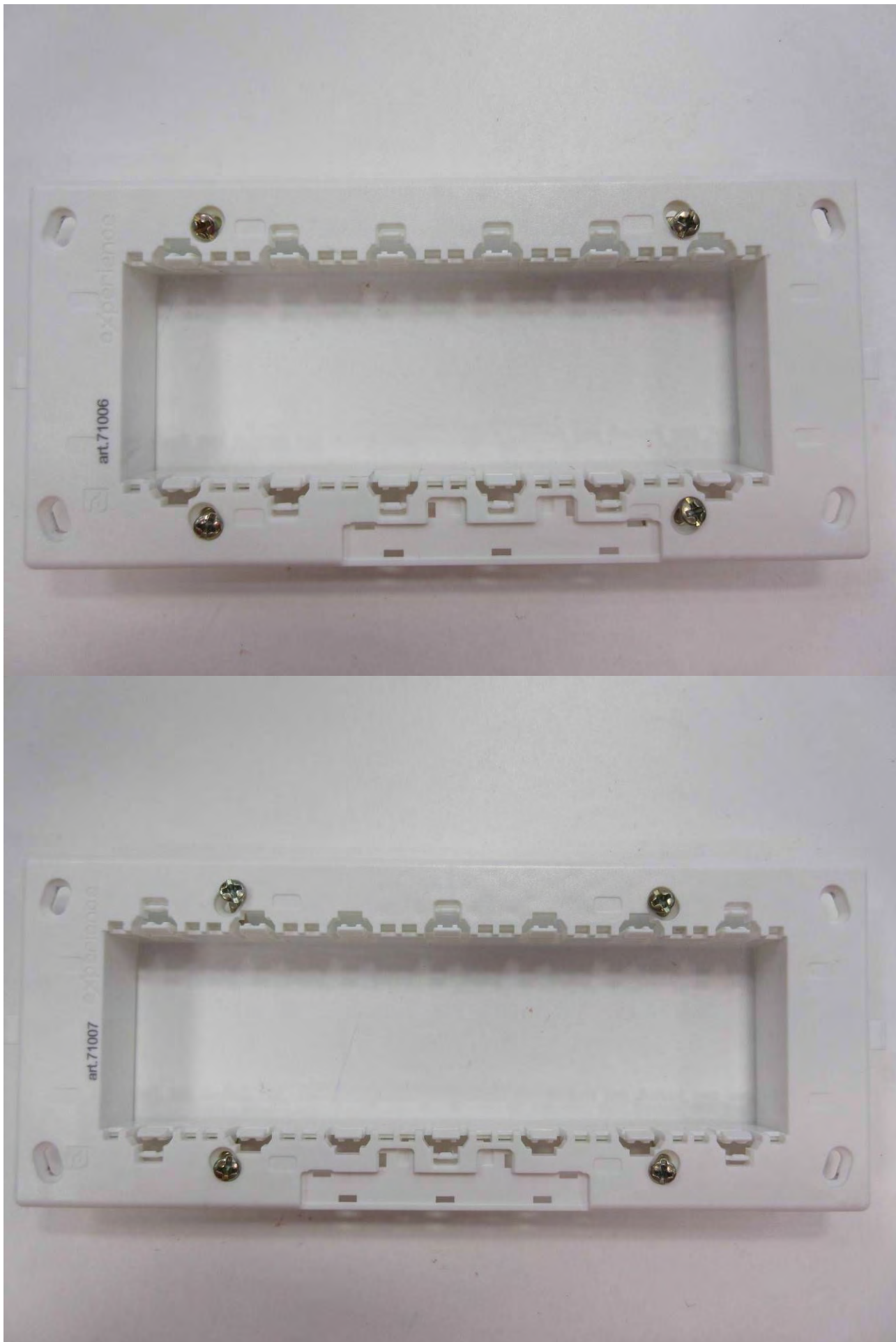




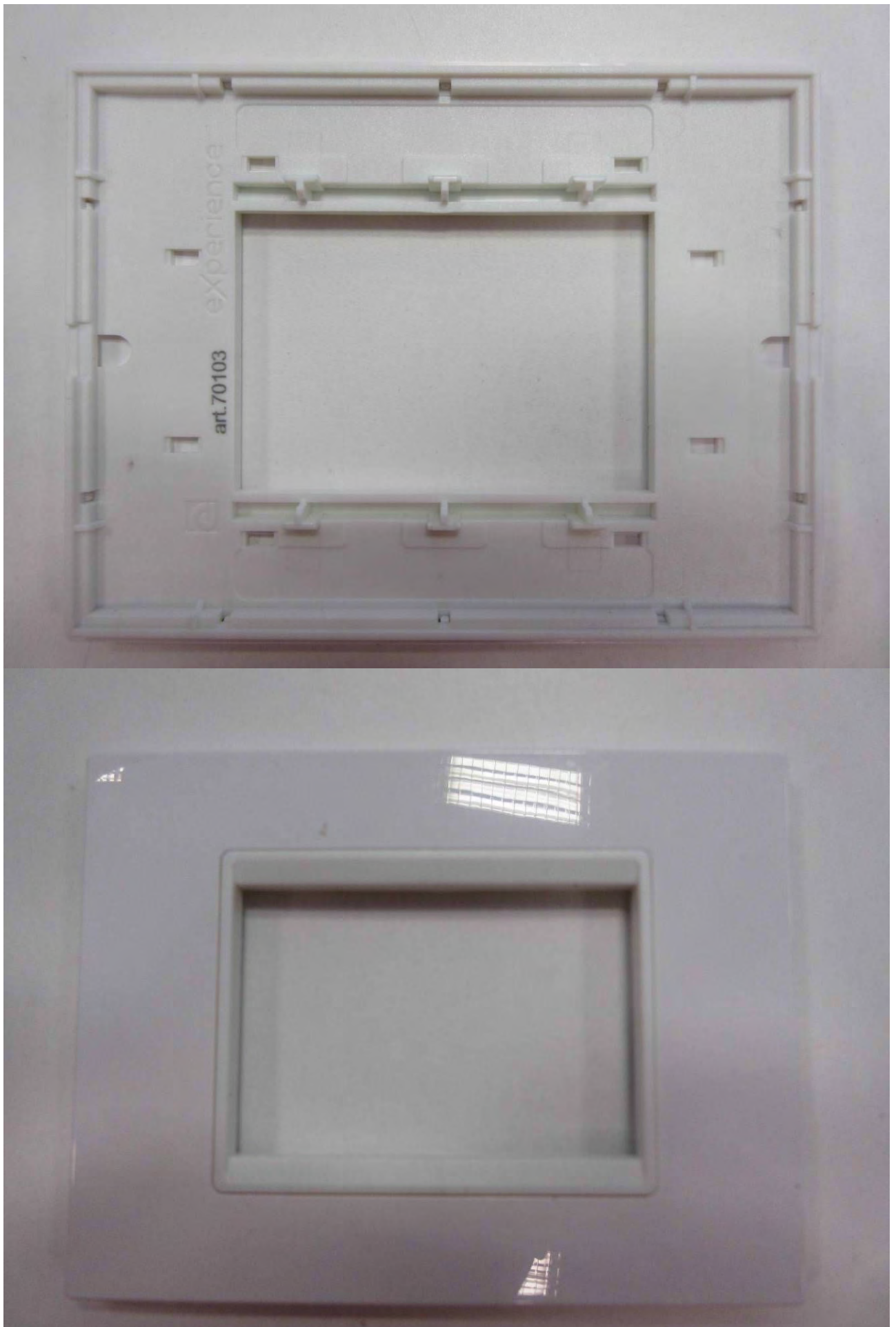


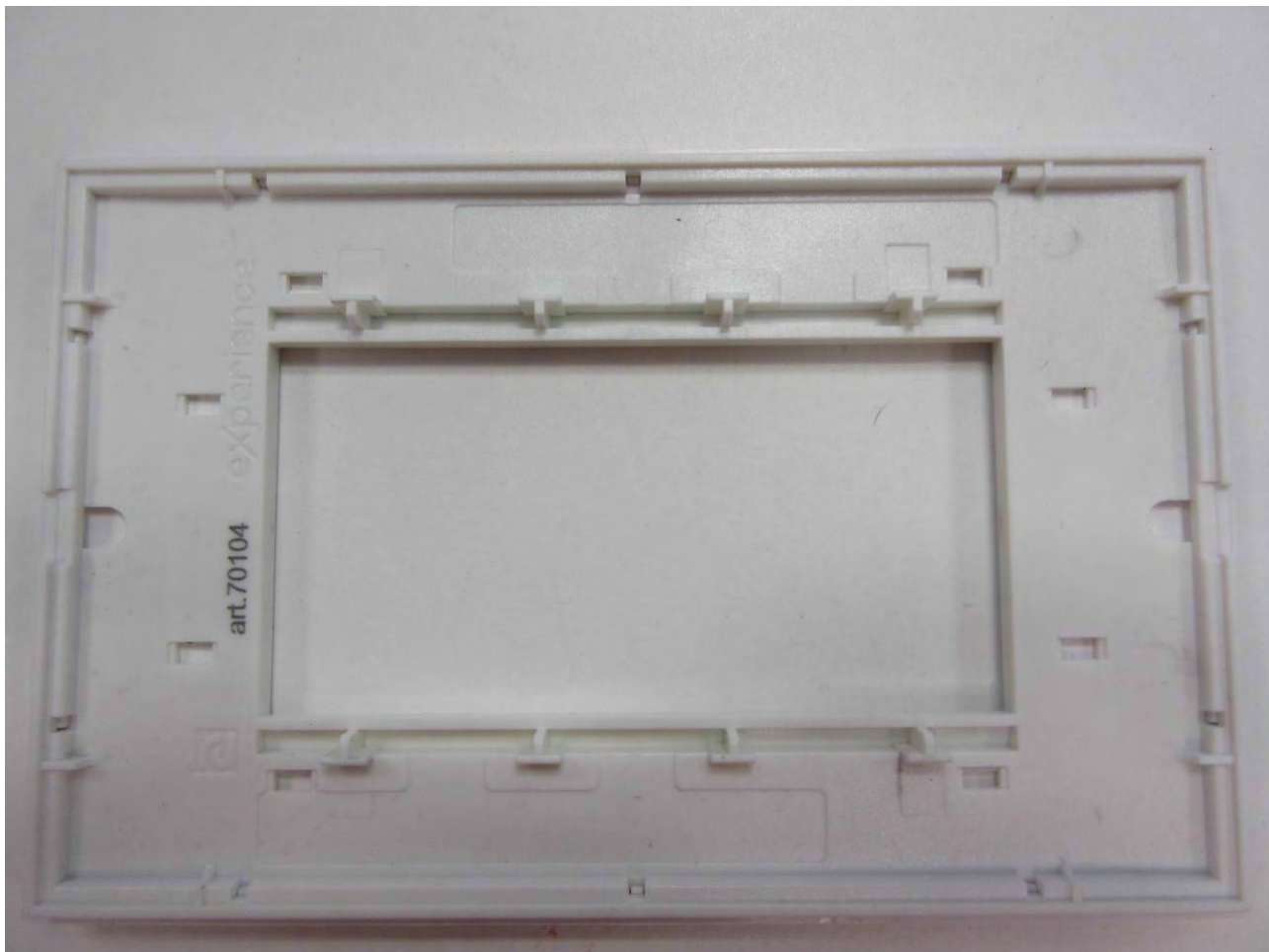














## Enclosure No.:2

### Technical documentation

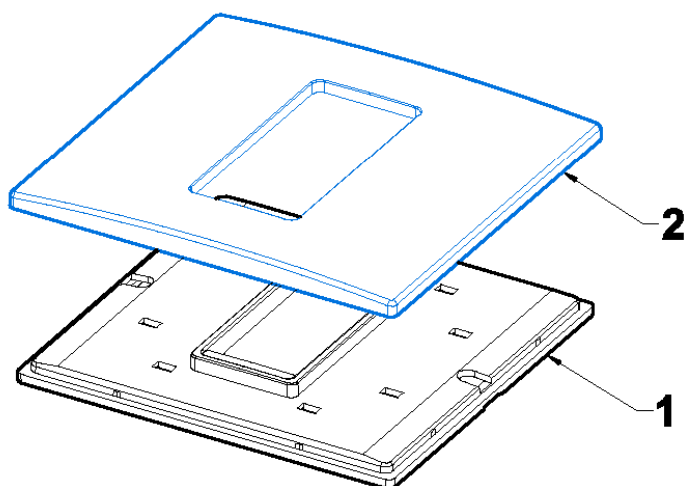



TABELA OZNAČAVANJA:

Linija boja	Oznaka n
BASIC	1
COLOR VIVID	2
COLOR METALLIC	3
COLOR SOFT TOUCH	4

2	Maska 1M EXP	art.70n01.02	1	ABS			
1	Nosač maske 1M EXP	art.70n01.01	1	PC			
Poz.	Naziv	Oznaka	Kom.	Materijal	Dimenzije	Napomena	
		Tolerancije slobodnih mera			Površinska zaštita		
		Materijal			Identifikacioni broj	Masa	
	Sklop	Kom.				Razmera	
			Datum	Ime	Potpis	Naziv	
		Konstr.				<b>MASKA 1M EXP PLASTIČNA</b>	
		Crtao					
		Pregledao					
		Odobrio	09.05.14.	J. Ristić			
		 <b>ALING-CONEL GAJDOBRA</b>			Oznaka	List	
St. iz	Izmenio	Datum				<b>art.70n01</b>	List Listova:
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Obrazac PR.2.02-01 izdanje 1



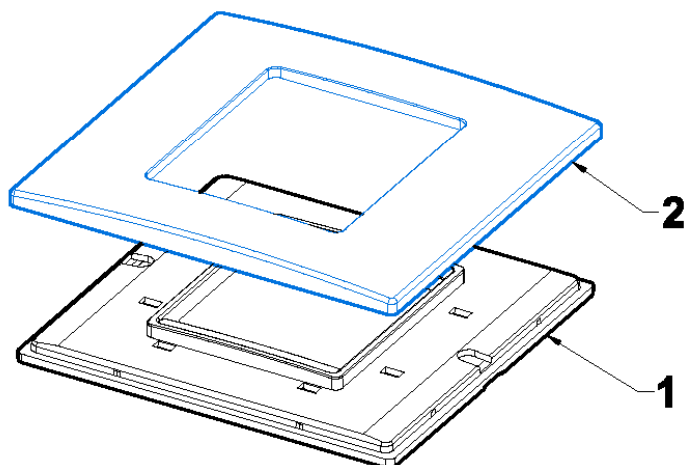


TABELA OZNAČAVANJA:

Linija boja	Oznaka n
BASIC	1
COLOR VIVID	2
COLOR METALLIC	3
COLOR SOFT TOUCH	4

Obrazac PR.2.02-01 Izdanje 1

2	Maska 2M EXP	art.70n02.02	1	ABS		
1	Nosač maske 2M EXP	art.70n02.01	1	PC		
Poz.	Naziv	Oznaka	Kom.	Materijal	Dimenzije	Napomena
Tolerancije slobodnih mera				Površinska zaštita		
Materijal				Identifikacioni broj Masa Razmera		
Sklop	Kom					
		Datum	Ime	Potpis	Naziv	
		Konstr.			<b>MASKA 2M EXP PLASTIČNA</b>	
		Crtao				
		Pregledao				
		Odobrio	09.05.14.	J. Ristić		
		<b>ALING-CONEL GAJDOBRA</b>			Oznaka	List
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St. iz	Izmenio	Datum	Zamena za:			

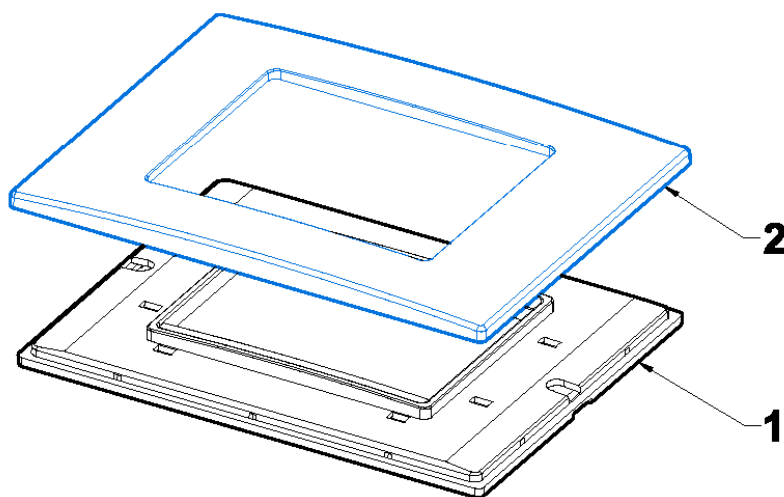



TABELA OZNAČAVANJA:

Linija boja	Oznaka n
BASIC	1
COLOR VIVID	2
COLOR METALLIC	3
COLOR SOFT TOUCH	4

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1	Nosač maske 3M EXP	art.70n03.01	1	PC		
Poz.	Naziv	Oznaka	Kom.	Materijal	Dimenzije	Napomena
Tolerancije slobodnih mera				Površinska zaštita		
Materijal				Identifikacioni broj		
Sklop		Kom	Masa			
			Razmera			
			Datum	Ime	Potpis	Naziv
	Konstr.					<b>MASKA 3M EXP PLASTIČNA</b>
	Crtao					
	Pregledao					
	Odobrio	09.05.14.	J. Ristić			
			 <b>ALING-CONEL GAJDOBRA</b>			Oznaka
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St. iz	Izmenio	Datum	Zamena za:			

Obrazac PR.2.02-01 izdanje 1

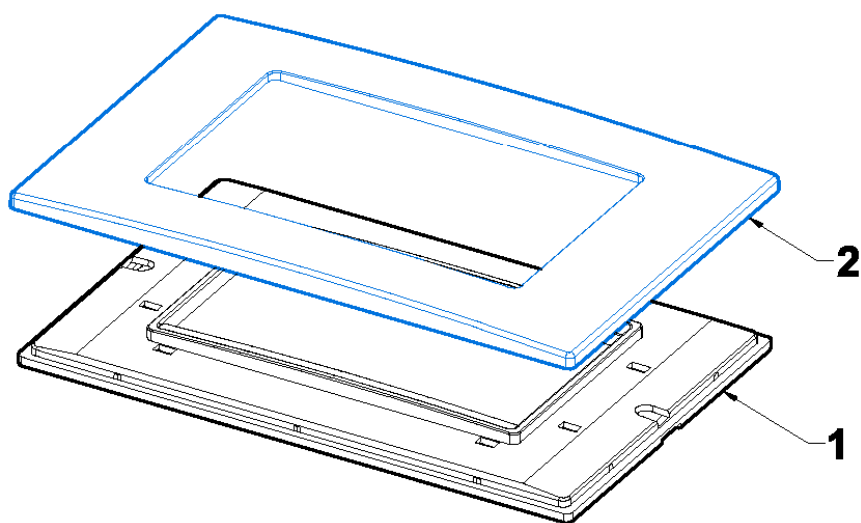


TABELA OZNAČAVANJA:

Linija boja	Oznaka n
BASIC	1
COLOR VIVID	2
COLOR METALLIC	3
COLOR SOFT TOUCH	4

Obrazac PR-2.02-01 Izdanje 1

2	Maska 4M EXP	art.70n04.02	1	ABS		
1	Nosač maske 4M EXP	art.70n04.01	1	PC		
Poz.	Naziv	Oznaka	Kom.	Materijal	Dimenzije	Napomena
Tolerancije slobodnih mera				Površinska zaštita		
Materijal				Identifikacioni broj		
Sklop				Masa		
Kom				Razmera		
		Konstr.	Datum	Ime	Potpis	Naziv
		Crtao				<b>MASKA 4M EXP PLASTIČNA</b>
		Pregledao				
		Odobrio	09.05.14.	J. Ristić		
		<b>ALING-CONEL GAJDOBRA</b>				Oznaka <b>art.70n04</b>
St. iz		Izmenio	Datum	Zamena za:		



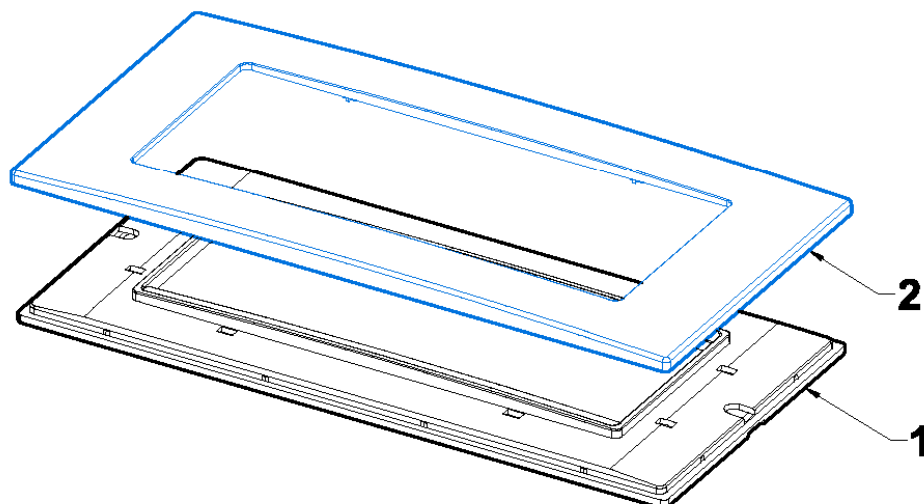



TABELA OZNAČAVANJA:

Linija boja	Oznaka n
BASIC	1
COLOR VIVID	2
COLOR METALLIC	3
COLOR SOFT TOUCH	4

2	Maska 6M EXP	art.70n06.02	1	ABS		
1	Nosač maske 6M EXP	art.70n06.01	1	PC		
Poz.	Naziv	Oznaka	Kom.	Materijal	Dimenzije	Napomena
				Tolerancije slobodnih mera		
				Površinska zaštita		
				Materijal		
				Identifikacioni broj		Masa
						Razmera
Sklop	Kom					
		Datum	Ime	Potpis	Naziv	
					<b>MASKA 6M EXP PLASTIČNA</b>	
		Odobrio	09.05.14.	J. Ristić		
		 <b>ALING-CONEL GAJDOBRA</b>			Oznaka	List
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St. iz	Izmenio	Datum				Zamena za:

Obrazac PR.2.02-01 izdanje 1

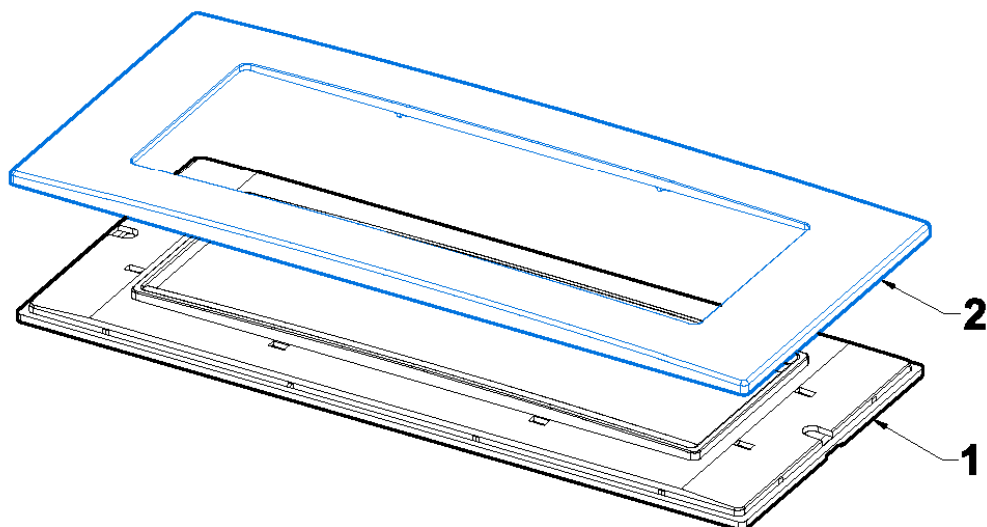


TABELA OZNAČAVANJA:

Linija boja	Oznaka n
BASIC	1
COLOR VIVID	2
COLOR METALLIC	3
COLOR SOFT TOUCH	4

Obrazac PR-2.02-01 Izdanje 1

2	Maska 7M EXP	art.70n07.02	1	ABS		
1	Nosač maske 7M EXP	art.70n07.01	1	PC		
Poz.	Naziv	Oznaka	Kom.	Materijal	Dimenzije	Napomena
Tolerancije slobodnih mera				Površinska zaštita		
Materijal				Identifikacioni broj		
Sklop				Masa		
Kom				Razmera		
		Konstr.	Datum	Ime	Potpis	Naziv
		Crtao				<b>MASKA 7M EXP PLASTIČNA</b>
		Pregledao				
		Odobrio	09.05.14.	J. Ristić		
		<b>ALING-CONEL GAJDOBRA</b>				
St. iz		Izmenio	Datum	Oznaka		List
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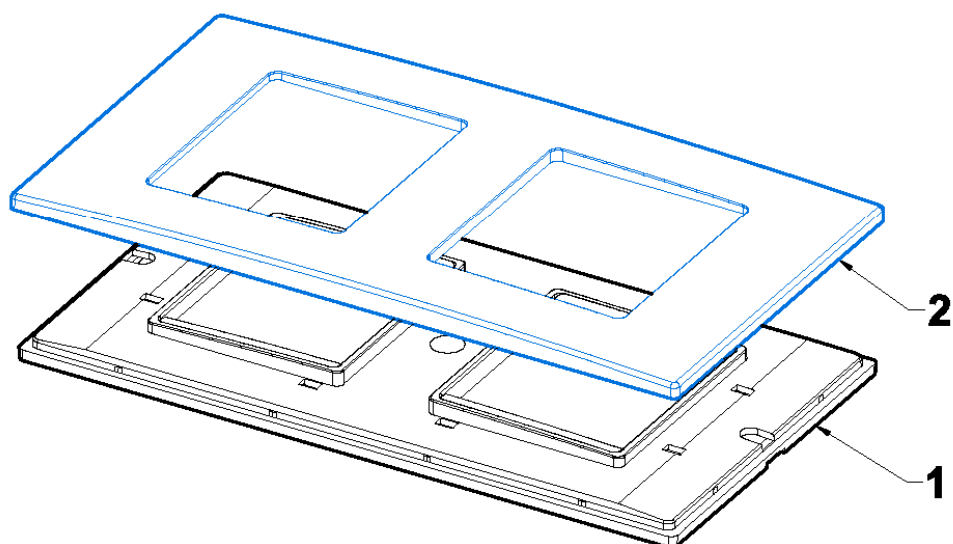


TABELA OZNAČAVANJA:

Linija boja	Oznaka n
BASIC	1
COLOR VIVID	2
COLOR METALLIC	3
COLOR SOFT TOUCH	4

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1	Nosač maske 2M EXP	art.70n22.01	1	PC		
Poz.	Naziv	Oznaka	Kom.	Materijal	Dimenzije	Napomena
		Tolerancije slobodnih mera			Površinska zaštita	
		Materijal			Identifikacioni broj	Masa
						Razmera
	Sklop	Kom				
			Konstr.	Datum	Ime	Potpis
			Crtao			
			Pregledao			
			Odobrio	06.07.15.	J. Ristić	
			 <b>ALING-CONEL GAJDOBRA</b>			<b>Naziv</b> <b>MASKA 2X2M HORIZ. EXP PLASTIČNA</b>
						<b>Oznaka</b> <b>art.70n22</b>
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Obrazac PR.2.02-01 izdanje 1

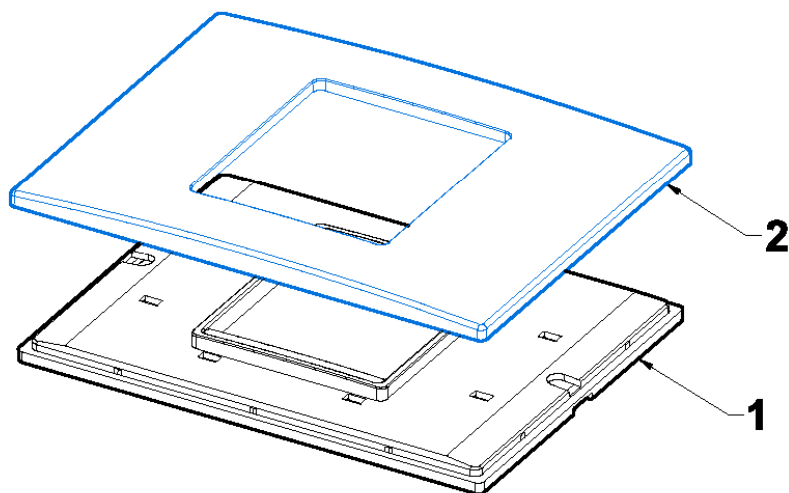


TABELA OZNAČAVANJA:

Linija boja	Oznaka n
BASIC	1
COLOR VIVID	2
COLOR METALLIC	3
COLOR SOFT TOUCH	4

Obrazac PR-2.02-01 Izdanje 1

2	Maska 2M/3M EXP	art.70n23.02	1	ABS		
1	Nosač maske 2M/3M EXP	art.70n23.01	1	PC		
Poz.	Naziv	Oznaka	Kom.	Materijal	Dimenzije	Napomena
Tolerancije slobodnih mera				Površinska zaštita		
Materijal				Identifikacioni broj		
Sklop				Masa		
Kom				Razmera		
Konstr.				Datum		
Crtao				Ime		
Pregledao				Potpis		
Odobrio				06.07.15. J. Ristić		
ALING-CONEL				Naziv		
GAJDOBRA				MASKA 2M/3M EXP PLASTIČNA		
Oznaka				art.70n23		
Lst				Listova:		
St. iz				Zamena za:		
Izmenio						
Datum						

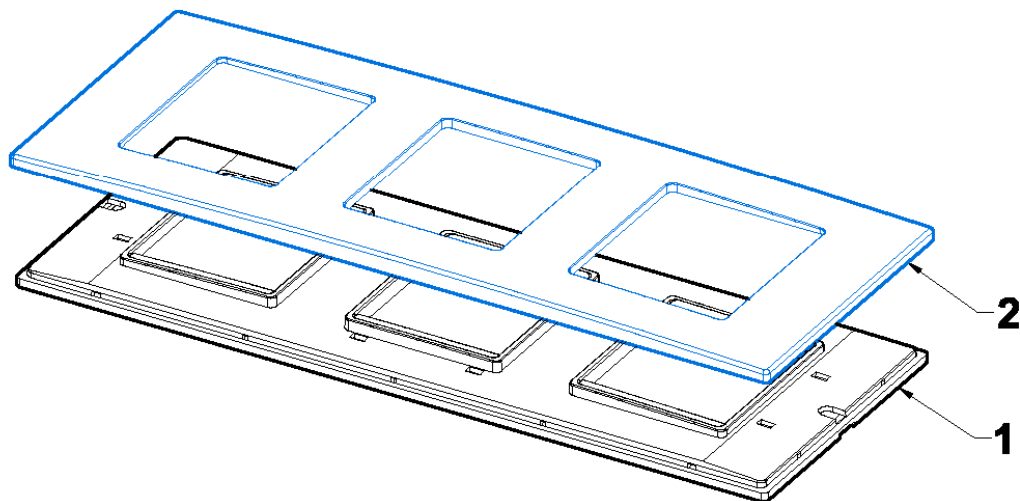


TABELA OZNAČAVANJA:

Linija boja	Oznaka n
BASIC	1
COLOR VIVID	2
COLOR METALLIC	3
COLOR SOFT TOUCH	4

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1	Nosač maske 2M EXP	art.70n32.01	1	PC		
Poz.	Naziv	Oznaka	Kom.	Materijal	Dimenzije	Napomena
Tolerancije slobodnih mera				Površinska zaštita		
Materijal				Identifikacioni broj		
Sklop		Kom	Masa			
			Razmera			
			Naziv			
			MASKA 3X2M HORIZ. EXP PLASTIČNA			
			Oznaka			
			art.70n32			
			List			
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			Zamena za:			
St. iz	Izmenio	Datum				

Obrazac PR.2.02-01 izdanje 1


 ALING-CONEL  
GAJDOBRA

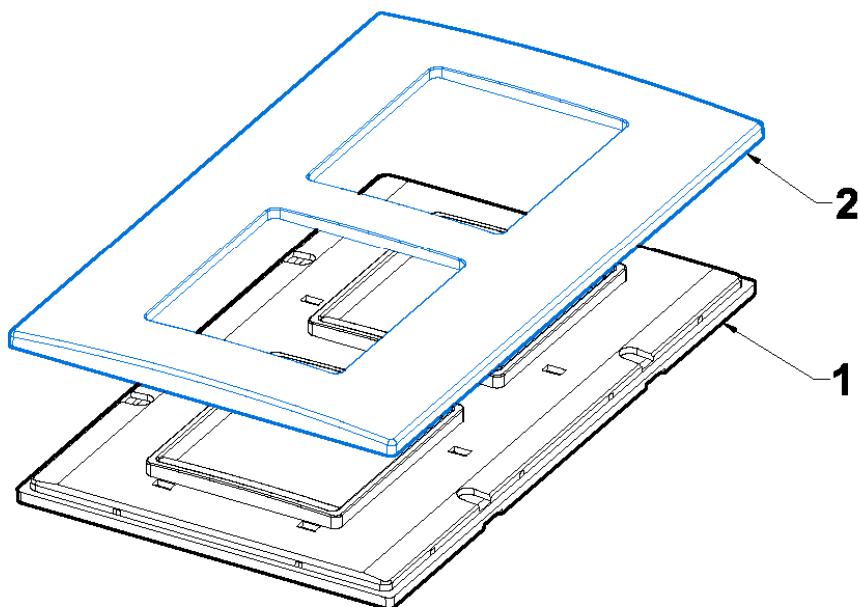


TABELA OZNAČAVANJA:

Linija boja	Oznaka n
BASIC	1
COLOR VIVID	2
COLOR METALLIC	3
COLOR SOFT TOUCH	4

Obrazac PR-2.02-01 Izdanje 1

2	Maska 2M EXP	art.70n42.02	1	ABS			
1	Nosač maske 2M EXP	art.70n42.01	1	PC			
Poz.	Naziv	Oznaka	Kom.	Materijal	Dimenzije	Napomena	
Tolerancije slobodnih mera				Površinska zaštita			
Materijal				Identifikacioni broj			
Sklop				Masa			
Kom				Razmera			
		Konstr.	Datum	Ime	Potpis	Naziv	
		Crtao				<b>MASKA 2x2M VERTIK. EXP PLASTIČNA</b>	
		Pregledao					
		Odobrio	06.07.15.	J. Ristić			
		<b>ALING-CONEL GAJDOBRA</b>			Oznaka		Lst
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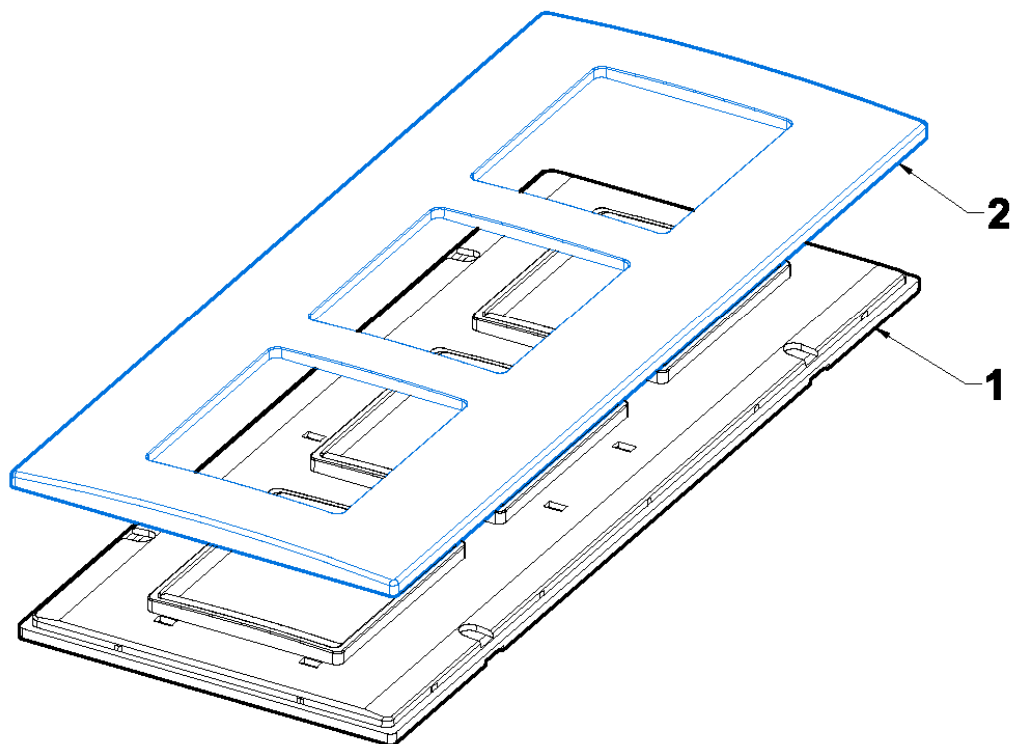

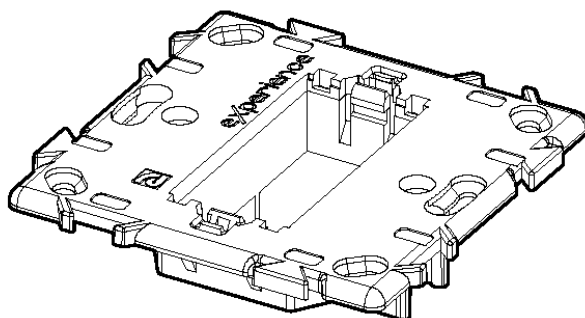


TABELA OZNAČAVANJA:

Linija boja	Oznaka n
BASIC	1
COLOR VIVID	2
COLOR METALLIC	3
COLOR SOFT TOUCH	4

2	Maska 2M EXP	art.70n62.02	1	ABS		
1	Nosač maske 2M EXP	art.70n62.01	1	PC		
Poz.	Naziv	Oznaka	Kom.	Materijal	Dimenzije	Napomena
		Tolerancije slobodnih mera			Površinska zaštita	
		Materijal			Identifikacioni broj	Masa
						Razmera
	Sklop	Kom				
				Datum	Ime	Potpis
			Konstr.			
			Crtao			
			Pregledao			
			Odobrio	06.07.15.	J. Ristić	
			 <b>ALING-CONEL GAJDOBRA</b>			Naziv
						<b>MASKA 3x2M VERTIK. EXP PLASTIČNA</b>
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St. iz	Izmenio	Datum				Zamena za:

Obrazac PR.2.02-01 izdanje 1

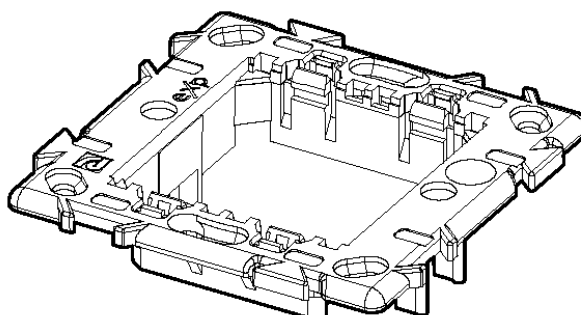



Obrazac PR-2.02-01 Izdanje 1

1	Prirubnica 1M EXP	art.71001.01	1	PC			
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		Tolerancije slobodnih mera			Površinska zaštita		
		Materijal			Identifikacioni broj	Masa	
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Sklop	Kom						
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		Konstr.				<b>PRIRUBNICA 1M EXP ZA ŠUPLJI ZID</b>	
		Crtao					
		Pregledao					
		Odobrio	06.07.15.	J. Ristić			
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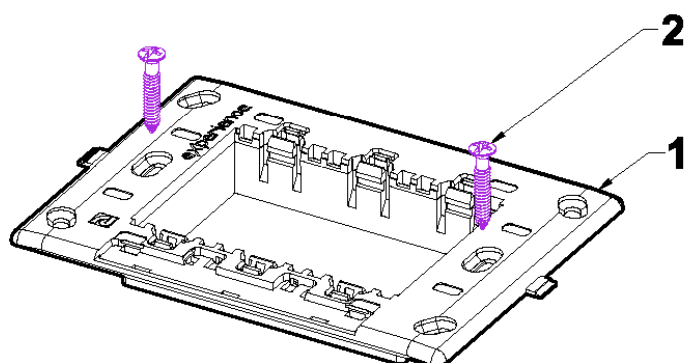

**ALING-CONEL  
GAJDOBRA**





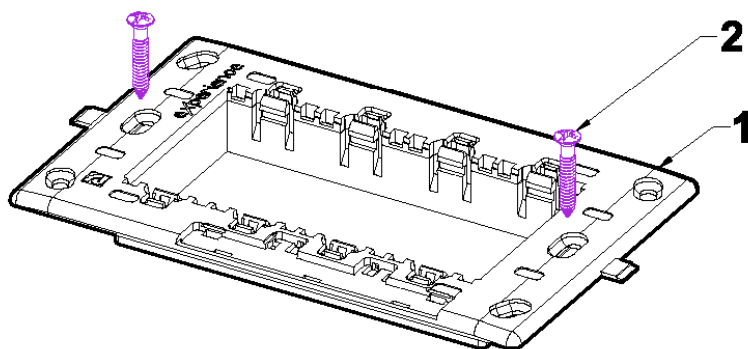
1	Prirubnica 2M EXP		art.71002.01		1	PC			
Poz.	Naziv		Oznaka		Kom.	Materijal		Dimenzije	Napomena
		Tolerancije slobodnih mera					Površinska zaštita		
		Materijal					Identifikacioni broj		Masa
							Razmera		
Sklop		Kom			Datum	Ime	Potpis	Naziv	
			Konstr.					<b>PRIRUBNICA 2M EXP ZA ŠUPLJI ZID</b>	
			Crtao						
			Pregledao						
			Odobrio	06.07.15.	J. Ristić				
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Obrazac PR.2.02-01 izdanje 1



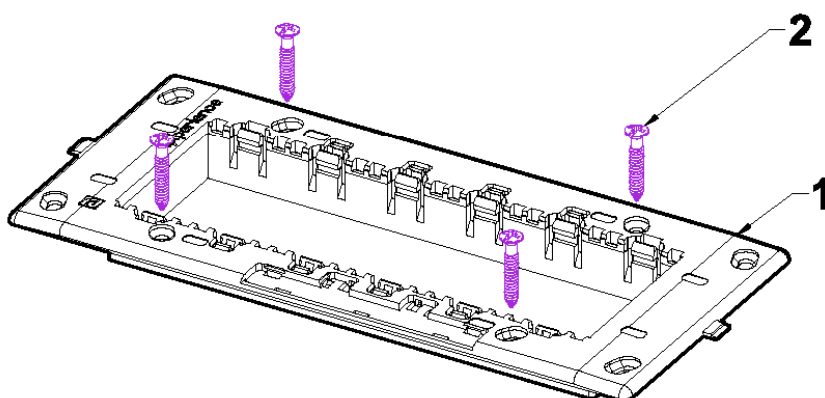
Obrazac PR-2.02-01 Izdanje 1

2	Vijak 3,5x20 za prirubnicu	art.6513.02	2			
1	Prirubnica 3M EXP	art.71003.01	1	PC		
Poz.	Naziv	Oznaka	Kom.	Materijal	Dimenzije	Napomena
Tolerancije slobodnih mera				Površinska zaštita		
Materijal				Identifikacioni broj		
Sklop		Kom	Masa			
			Razmera			
			Datum	Ime	Potpis	Naziv
		Konstr.				<b>PRIRUBNICA 3M EXP SA VIJCIMA</b>
		Crtao				
		Pregledao				
		Odobrio	09.05.14.	J. Ristić		
			<b>ALING-CONEL GAJDOBRA</b>			Oznaka
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						Listova:
St. iz	Izmenio	Datum	Zamena za:			



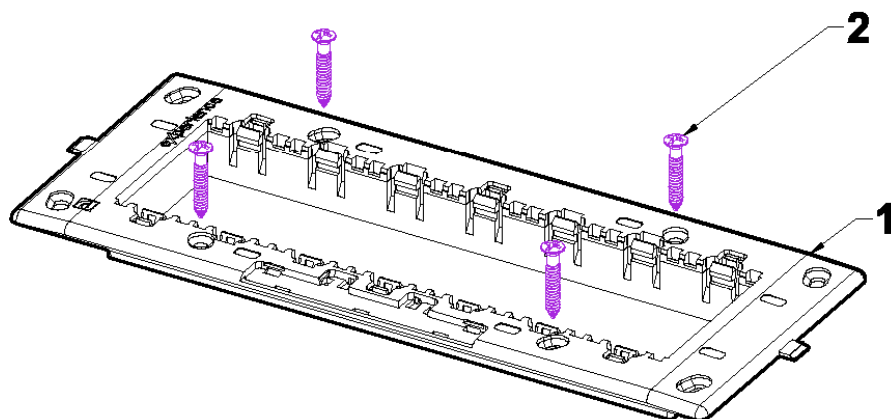
2	Vijak 3,5x20 za prirubnicu	art.6513.02	2			
1	Prirubnica 4M EXP	art.71004.01	1	PC		
Poz.	Naziv	Oznaka	Kom.	Materijal	Dimenzije	Napomena
		Tolerancije slobodnih mera			Površinska zaštita	
		Materijal			Identifikacioni broj	Masa
	Sklop	Kom				Razmera
			Konstr.	Datum	Ime	Potpis
			Crtao			
			Pregledao			
			Odobrio	09.05.14.	J. Ristić	
			 <b>ALING-CONEL GAJDOBRA</b>			<b>PRIRUBNICA 4M EXP SA VIJCIMA</b>
						Oznaka
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St. iz	Izmenio	Datum				Zamena za:


Obrazac PR.2.02-01 izdanje 1



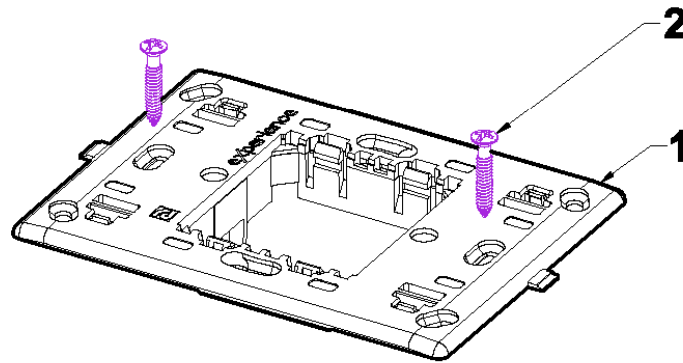
Obrazac PR.2.02-01 Izdanje 1

2	Vijak 3,5x20 za prirubnicu	art.6513.02	4			
1	Prirubnica 6M EXP	art.71006.01	1	PC		
Poz.	Naziv	Oznaka	Kom.	Materijal	Dimenzije	Napomena
Tolerancije slobodnih mera				Površinska zaštita		
Materijal				Identifikacioni broj		
Sklop				Masa		
Kom				Razmera		
Konstr.				Datum		
Crtao				Ime		
Pregledao				Potpis		
Odobrio				Naziv		
09.05.14. J. Ristić				<b>PRIRUBNICA 6M EXP SA VIJCIMA</b>		
ALING-CONEL GAJDOBRA				Oznaka		
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St. iz	Izmenio	Datum	Zamena za:			



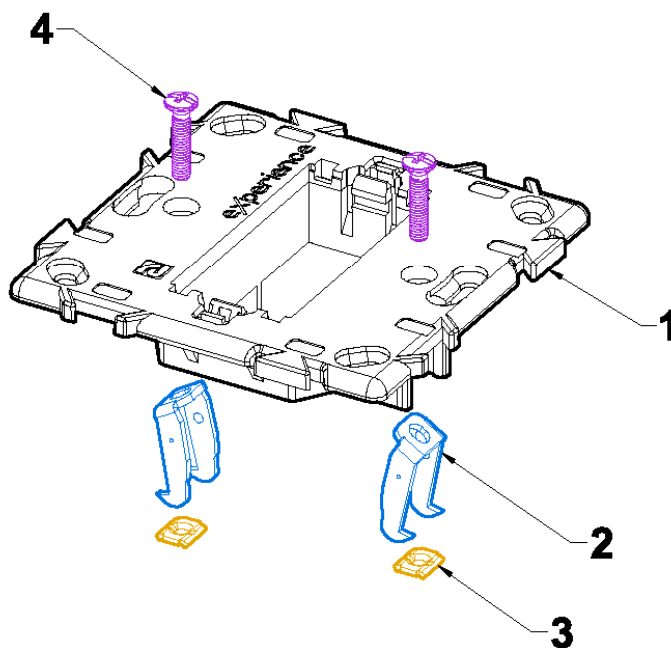
2	Vijak 3,5x20 za prirubnicu	art.6513.02	4			
1	Prirubnica 7M EXP	art.71007.01	1	PC		
Poz.	Naziv	Oznaka	Kom.	Materijal	Dimenzije	Napomena
		Tolerancije slobodnih mera			Površinska zaštita	
		Materijal			Identifikacioni broj	Masa
	Sklop	Kom				Razmera
				Datum	Ime	Potpis
		Konstr.				
		Crtao				
		Pregledao				
		Odobrio	09.05.14.	J. Ristić		
			 <b>ALING-CONEL GAJDOBRA</b>			
			Naziv			
			<b>PRIRUBNICA 7M EXP SA VIJCIMA</b>			
			Oznaka			List
			<b>art.71007</b>			Listova:
St. iz	Izmenio	Datum	Zamena za:			


Obrazac PR.2.02-01 Izdanje 1



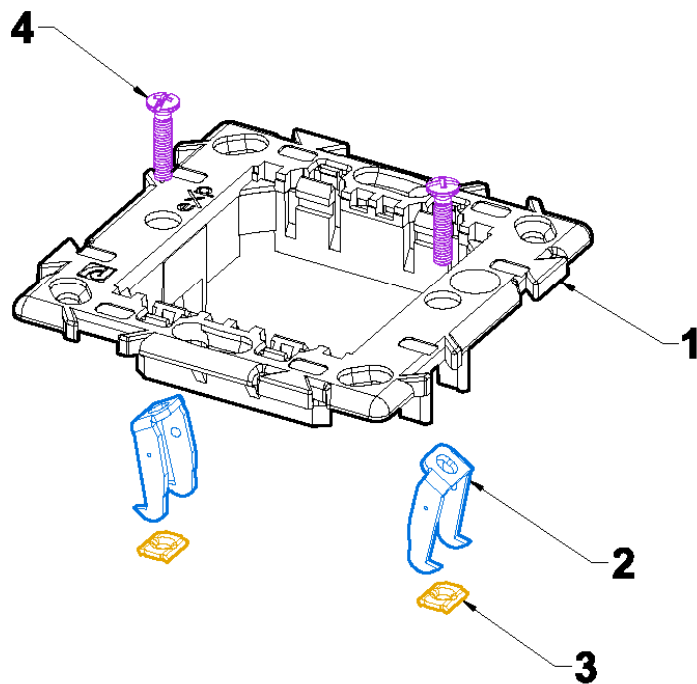
Obrazac PR-2.02-01 Izdanje 1

2	Vijak 3,5x20 za prirubnicu	art.6513.02	2			
1	Prirubnica 3M EXP	art.71023.01	1	PC		
Poz.	Naziv	Oznaka	Kom.	Materijal	Dimenzije	Napomena
Tolerancije slobodnih mera				Površinska zaštita		
Materijal				Identifikacioni broj		
Sklop		Kom	Masa			
			Razmera			
			Datum	Ime	Potpis	Naziv
		Konstr.				<b>PRIRUBNICA 2/3M EXP SA VIJCIMA</b>
		Crtao				
		Pregledao				
		Odobrio	06.07.15.	J. Ristić		
			 <b>ALING-CONEL GAJDOBRA</b>			Oznaka
						<b>art.71023</b>
						List
						Listova:
St. iz	Izmenio	Datum	Zamena za:			



4	Vijak	JUS M.B1.144	2	5.8	M3x14	Zn	
3	Navrtka stegača	art.605.23	2	DC 01	=1x40	gal Zn5	
2	Stegač uži	art.605.22	2	DC 01	=1,2x41	gal Zn5	
1	Prirubnica 1M EXP	art.71001.01	1	PC			
Poz.	Naziv	Oznaka	Kom.	Materijal	Dimenzije	Napomena	
		Tolerancije slobodnih mera			Površinska zaštita		
		Materijal			Identifikacioni broj	Masa	
	Sklop	Kom				Razmera	
			Datum	Ime	Potpis	Naziv	
		Konstr.				PRIRUBNICA 1M EXP SA STEGAČIMA	
		Crtao					
		Pregledao					
		Odobrio	09.05.14.	J. Ristić			
			 ALING-CONEL GAJDOBRA			Oznaka	List
						art.71101	Listova:
St. iz	Izmenio	Datum				Zamena za:	

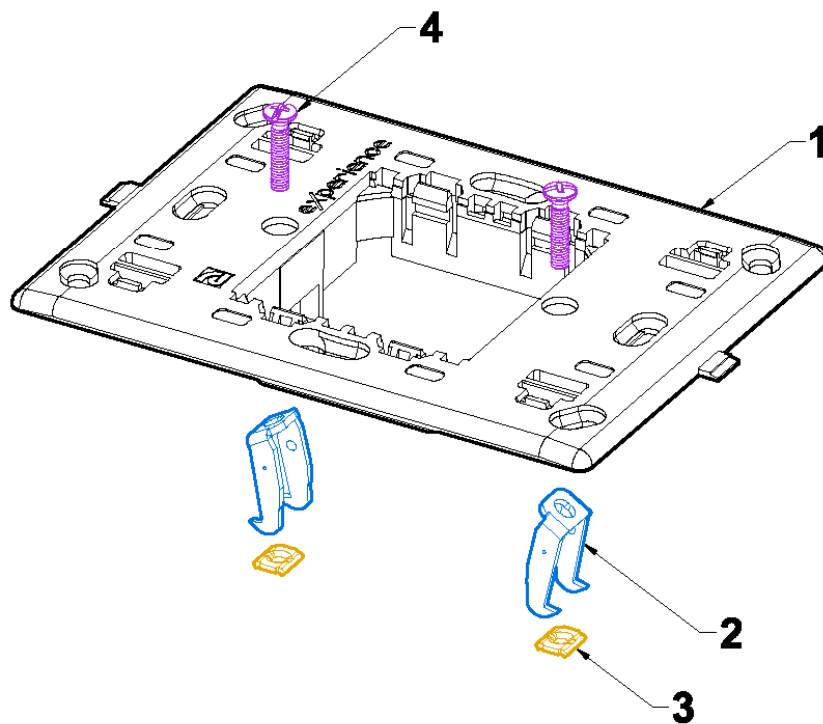
Obrazac PR.2.02-01 izdanje 1



4	Vijak	JUS M.B1.144	2	5.8	M3x14	Zn
3	Navrtka stegača	art.605.23	2	DC 01	=1x40	gal Zn5
2	Stegač uža	art.605.22	2	DC 01	=1,2x41	gal Zn5
1	Prirubnica 2M EXP	art.71002.01	1	PC		
Poz.	Naziv	Oznaka	Kom.	Materijal	Dimenzije	Napomena
Tolerancije slobodnih mera				Površinska zaštita		
Materijal				Identifikacioni broj	Masa	Razmera
Sklop	Kom					
		Konstr.	Datum	Ime	Potpis	<b>Naziv</b> <b>PRIRUBNICA 2M EXP</b> <b>SA STEGAČIMA</b>
		Crtao				
		Pregledao				
		Odobrio	09.05.14.	J. Ristić		
		<b>ALING-CONEL</b> <b>GAJDOBRA</b>				Oznaka <b>art.71102</b>
St. iz	Izmenio	Datum	Zamena za:			
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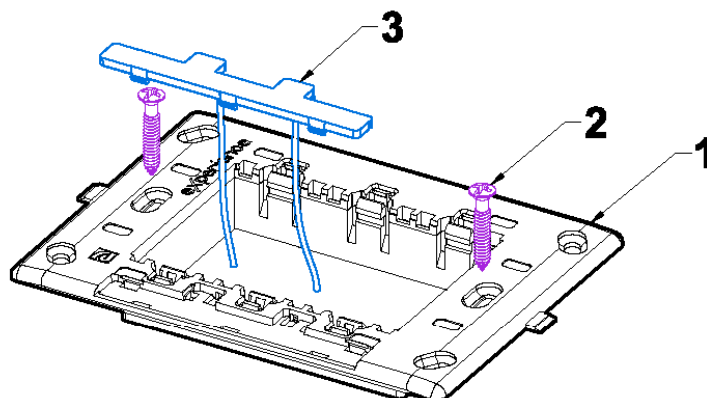
Obrazac PR-2.02-01 izdanje 1



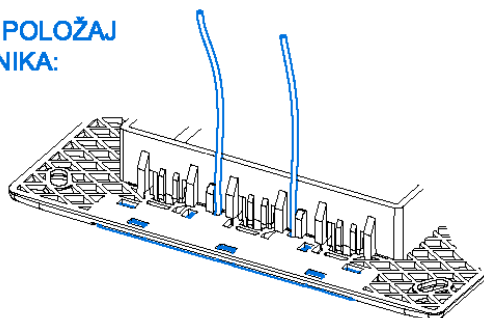



4	Vijak	JUS M.B1.144	2	5.8	M3x14	Zn
3	Navrtka stegača	art.605.23	2	DC 01	=1x40	gal Zn5
2	Stegač uži	art.605.22	2	DC 01	=1,2x41	gal Zn5
1	Prirubnica 2M/3M EXP	art.71023.01	1	PC		
Poz.	Naziv	Oznaka	Kom.	Materijal	Dimenzije	Napomena
		Tolerancije slobodnih mera			Površinska zaštita	
		Materijal			Identifikacioni broj	Masa
	Sklop	Kom				Razmera

Obrazac PR.2.02.01 izdanje 1

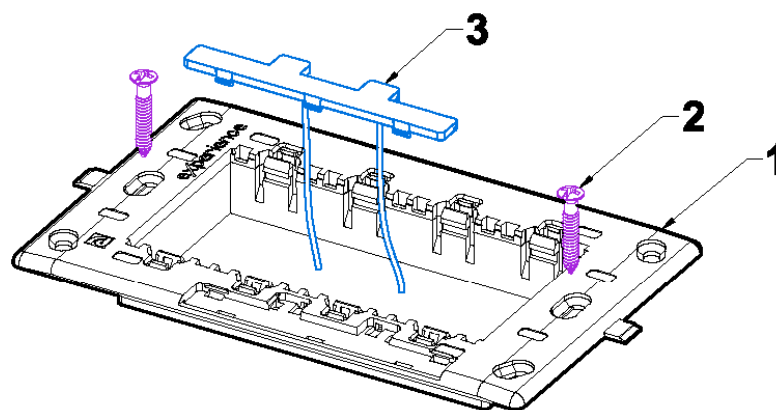


ZAVRŠNI POLOŽAJ  
PROVODNIKA:

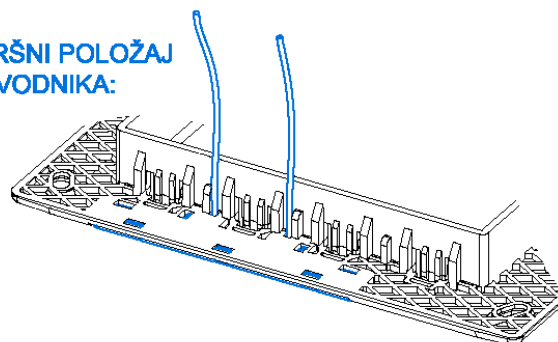


3	LED osvetljenje za 3M i 7M	PSK.71303.1	1			
2	Vijak 3,5x20 za prirubnicu	art.6513.02	2			
1	Prirubnica 3M EXP	art.71003.01	1	PC		
Poz.	Naziv	Oznaka	Kom.	Materijal	Dimenzije	Napomena
		Tolerancije slobodnih mera			Površinska zaštita	
		Materijal			Identifikacioni broj	Masa
	Sklop	Kom			Razmera	
					Naziv	
		Konstr.	Datum	Ime	Potpis	PRIRUBNICA 3M EXP SA VIJC. I LED OSVET.
		Crtao				
		Pregledao				
		Odobrio	06.07.15.	J. Ristić		
		 <b>ALING-CONEL GAJDOBRA</b>				Oznaka
						art.71303
St. iz	Izmenio	Datum				Zamena za:
						List Listova:

Obrazac PR-2.02-01 izdanje 1

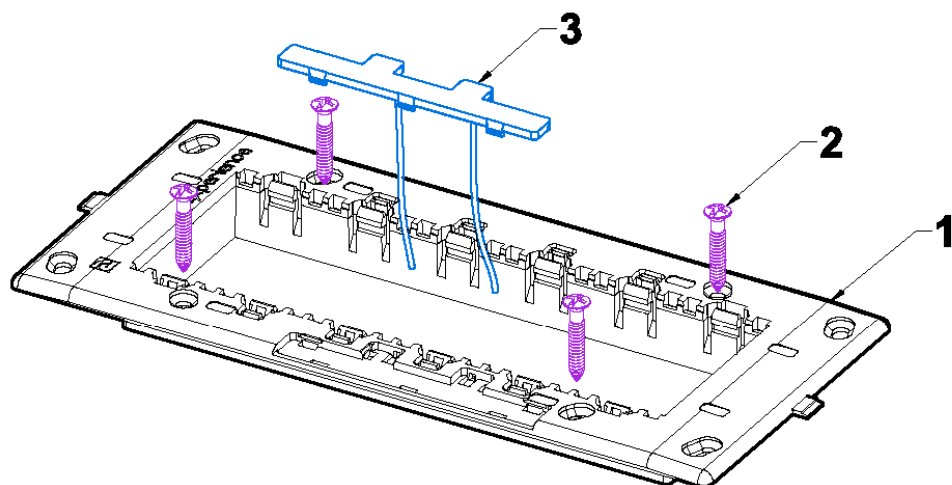


ZAVRŠNI POLOŽAJ  
PROVODNIKA:

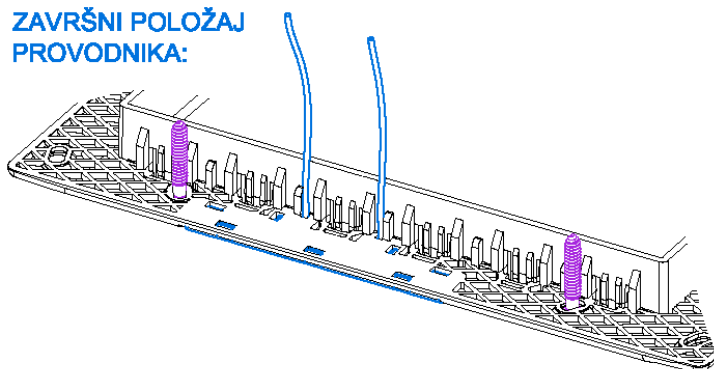



3	LED osvetljenje za 4M i 6M	PSK.71304.1	1				
2	Vijak 3,5x20 za prirubnicu	art.6513.02	2				
1	Prirubnica 3M EXP	art.71004.01	1	PC			
Poz.	Naziv	Oznaka	Kom.	Materijal	Dimenzije	Napomena	
		Tolerancije slobodnih mera			Površinska zaštita		
		Materijal			Identifikacioni broj	Masa	
	Sklop	Kom				Razmera	
		Konstr.	Datum	Ime	Potpis	Naziv	
		Crtao				PRIRUBNICA 4M EXP SA VIJC. I LED OSVET.	
		Pregledao					
		Odobrio	06.07.15.	J. Ristić			
		 <b>ALING-CONEL GAJDOBRA</b>			Oznaka	List	
						art.71304	Listova:
St. iz	Izmenio	Datum			Zamena za:		

Obrazac PR.2.02-01 izdanje 1



ZAVRŠNI POLOŽAJ  
PROVODNIKA:

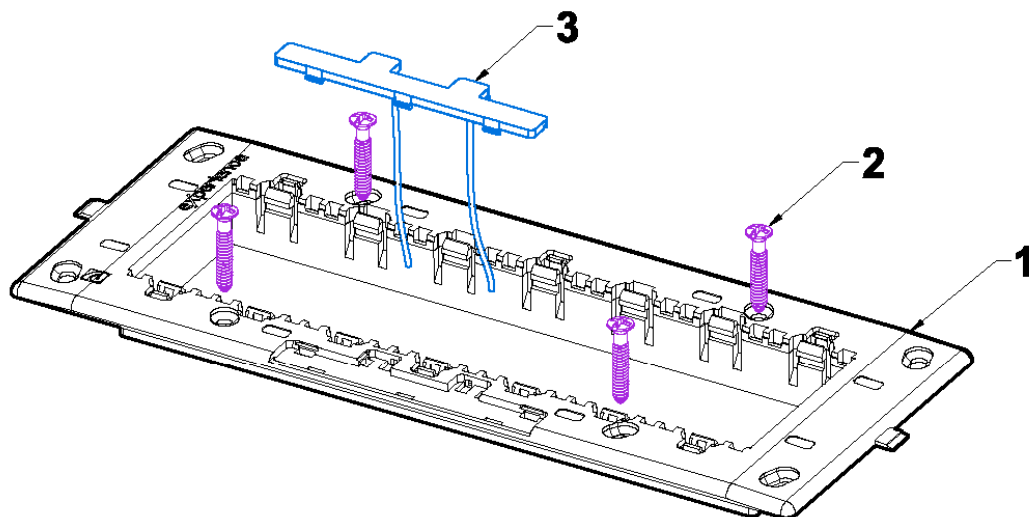


3	LED osvetljenje za 4M i 6M	PSK.71304.1	1								
2	Vijak 3,5x20 za prirubnicu	art.6513.02	4								
1	Prirubnica 3M EXP	art.71006.01	1	PC							
Poz.	Naziv	Oznaka	Kom.	Materijal	Dimenzije	Napomena					
		Tolerancije slobodnih mera			Površinska zaštita						
		Materijal			Identifikacioni broj	Masa					
	Sklop	Kom			Razmera						
			Datum	Ime	Potpis	Naziv					
		Konstr.				PRIRUBNICA 6M EXP SA VIJC. I LED OSVET.					
		Crtao									
		Pregledao									
		Odobrio	06.07.15.	J. Ristić							
		 <b>ALING-CONEL GAJDOBRA</b>				Oznaka	List				
										art.71306	Listova:
St. iz	Izmenio	Datum	Zamena za:								

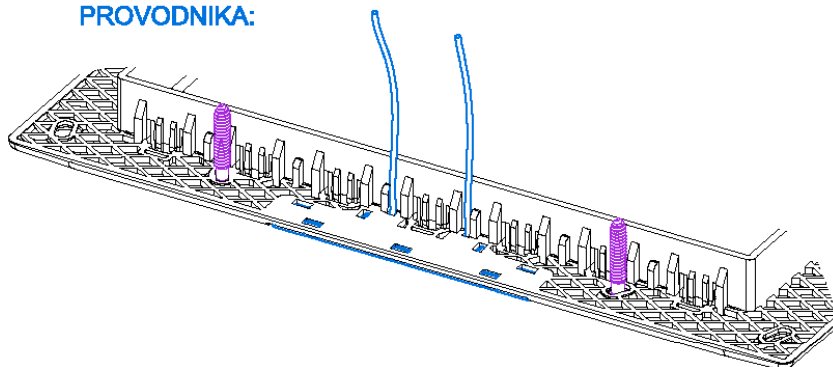
Obrazac PR-2.02-01 Izdanje 1




**ALING-CONEL  
GAJDOBRA**

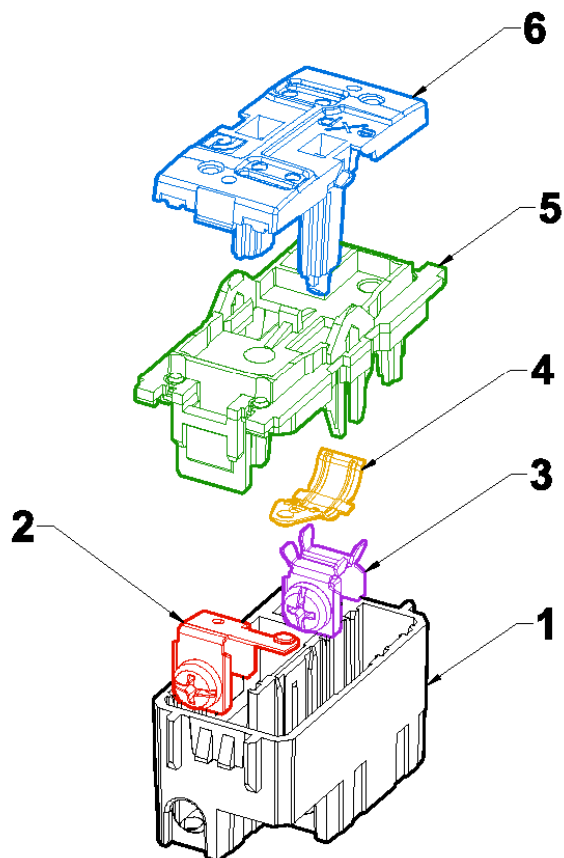



ZAVRŠNI POLOŽAJ  
PROVODNIKA:



3	LED osvetljenje za 3M i 7M	PSK.71303.1	1					
2	Vijak 3,5x20 za prirubnicu	art.6513.02	4					
1	Prirubnica 3M EXP	art.71007.01	1	PC				
Poz.	Naziv	Oznaka	Kom.	Materijal	Dimenzije	Napomena		
		Tolerancije slobodnih mera			Površinska zaštita			
		Materijal			Identifikacioni broj	Masa		
	Sklop	Kom				Razmera		
					Naziv			
		Konstr.	Datum	Ime	Potpis	PRIRUBNICA 7M EXP SA VIJC. I LED OSVET.		
		Crtao						
		Pregledao						
		Odobrio	06.07.15.	J. Ristić				
		 ALING-CONEL GAJDOBRA				Oznaka	List	
							art.71307	Listova:
St. iz	Izmenio	Datum	Zamena za:					

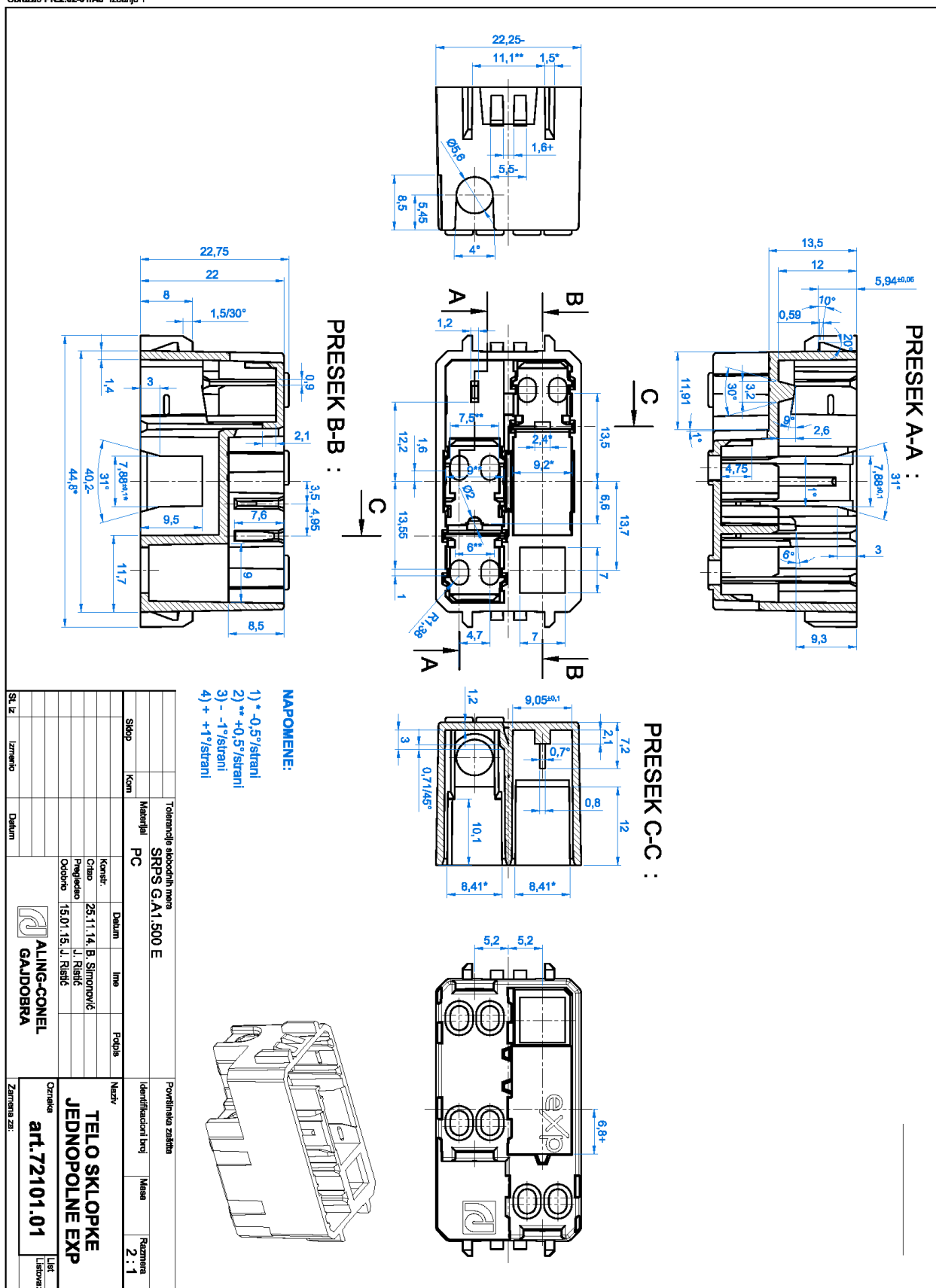
Obrazac PR.2.02-01 izdanje 1



6	Tipkalo jednop. sklop EXP	PSK.72101.2	1						
5	Poklopac sklopke sklop EXP	PSK.72101.1	1						
4	Klackalica jednop. sklop EXP	PSK.72101.5	1						
3	Nosač klack. sklop EXP	PSK.72101.4	1						
2	Kont. nepokr. desni skl. EXP	PSK.72101.3	1						
1	Telo sklopke jednapolno EXP	art.72101.01	1	PC					
Poz.	Naziv		Oznaka	Kom.	Materijal	Dimenzije	Napomena		
		Tolerancije slobodnih mera				Površinska zaštita			
		Materijal				Identifikacioni broj	Masa	Razmera	
	Sklop	Kom							
			Konstr.	Datum	Ime	Potpis	Naziv		
			Crtao				SKLOPKA JEDNOP.		
			Pregledao				EXP 16AX 250V~ 1M		
			Odobrio	09.05.14.	J. Ristić		Oznaka		
			 <b>ALING-CONEL GAJDOBRA</b>				art.72101		Lst
							Listova:		
St. iz	Izmenio	Datum					Zamena za:		

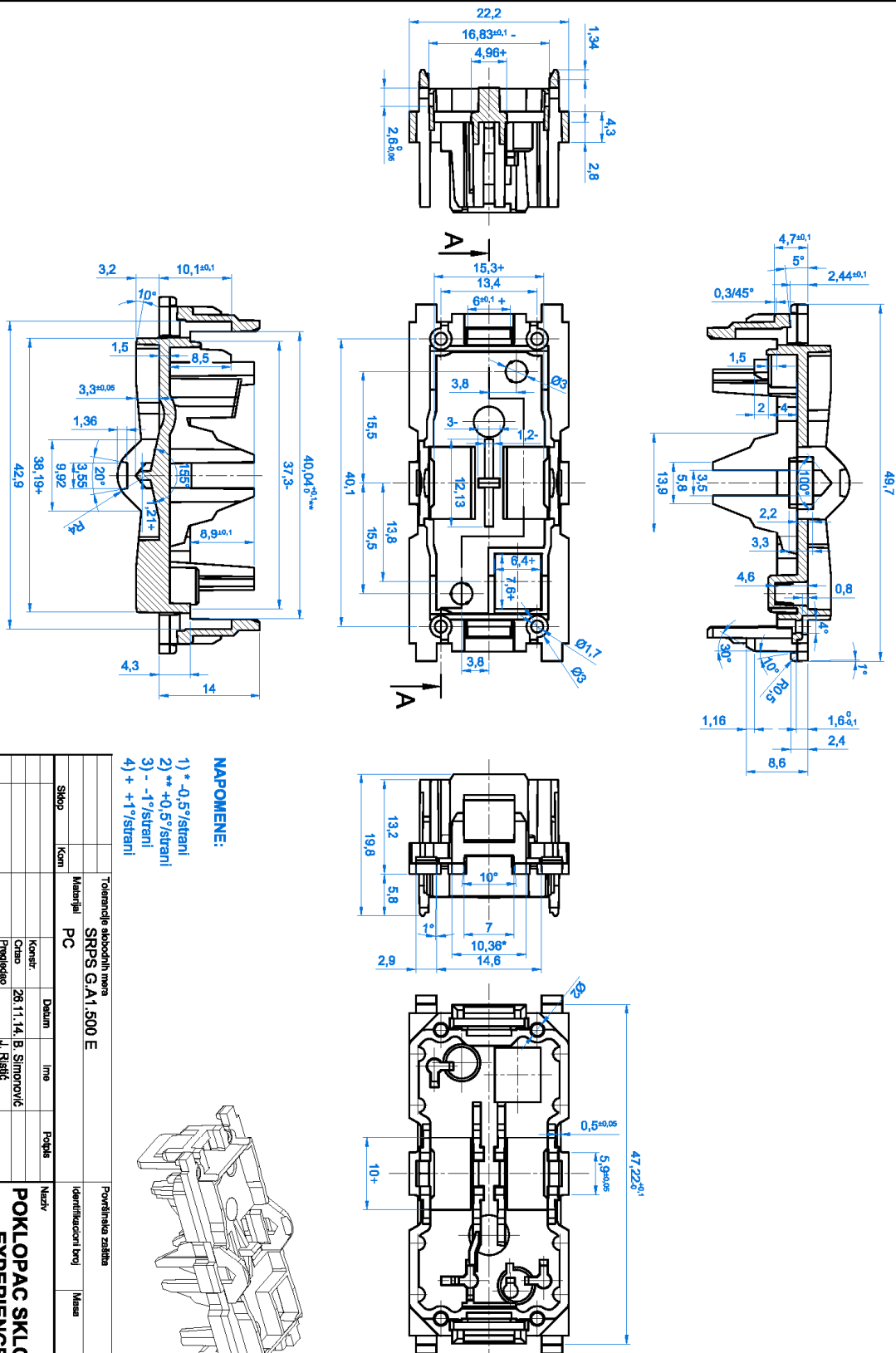
Obrazac PR-2.02-01 izdanje 1

Obrazac PR.2.02-01/A3 Izdanie 1



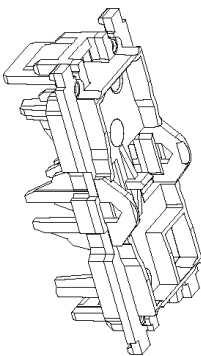
**Obrazac PR.2.02-01/A3 Izdanje 1**

**PRESEK A-A :**

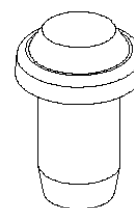
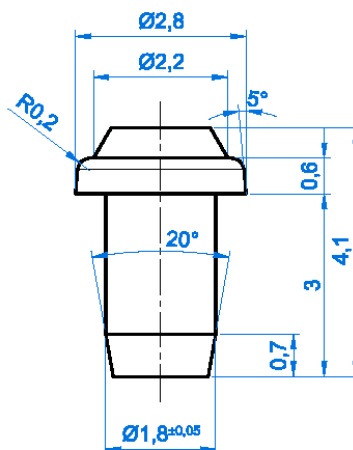


**NAPOMENE:**


- 1) \*-0,5%/strani
- 2) \*\*+0,5%/strani
- 3) - -1%/strani
- 4) + +1%/strani

[illegible]



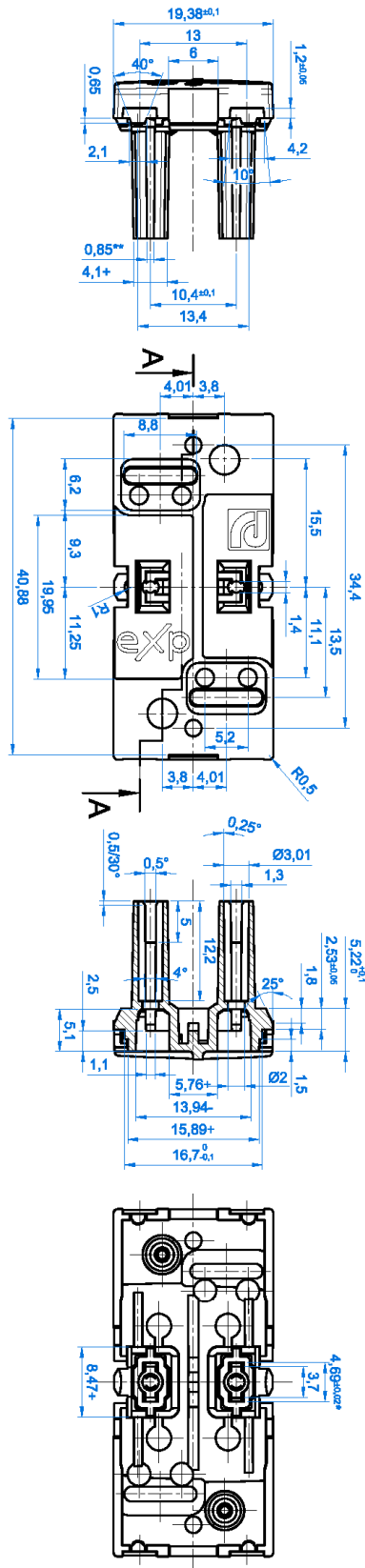
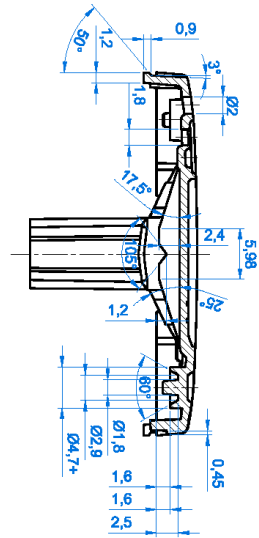


Obrazac PR.2.02-01/A4 Izdanje 1

		Tolerancije slobodnih mera				Površinska zaštita		
		<b>SRPS G.A1.500 E</b>						
		Materijal				Identifikacioni broj		Masa
		<b>SEBS 50-55 Shor</b>						Razmera
Sklop		Kom					<b>10 : 1</b>	
			Konstr.	Datum	Ime	Potpis	Naziv	
			Crtao	01.12.14.	B. Simonović		<b>AMROTIZER TIPKALA EXPERIENCE</b>	
			Pregledao		J. Ristić			
			Odobrio	15.01.15.	J. Ristić			
			 <b>ALING-CONEL GAJDOBRA</b>			Oznaka		List
						<b>art.72101.12</b>		Listova:
St. iz	Izmenio	Datum					Zamena za:	

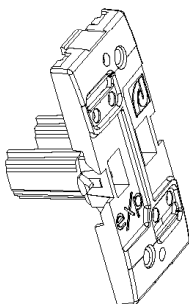
Obrazac PR.2.02-01/A3 Izdanje 1

**PRESEK A-A :**

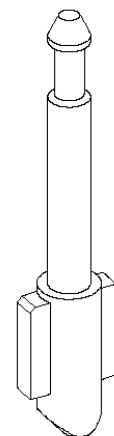
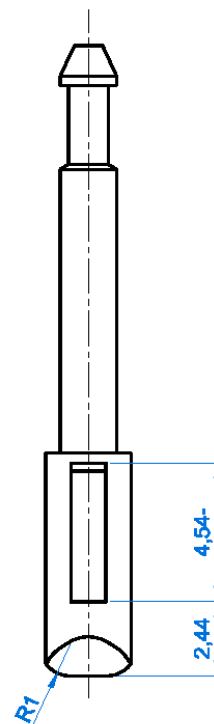
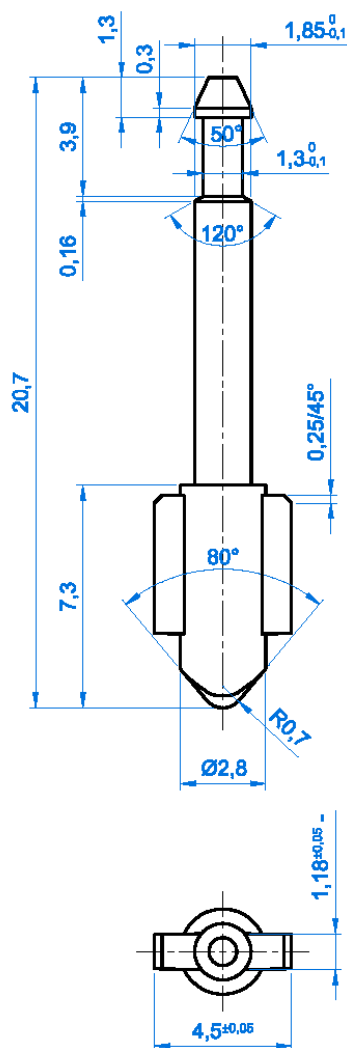


**NAPOMENE:**

- 1) \* -0,5°/strani
- 2) \*\* +0,5°/strani
- 3) - -1°/strani
- 4) + +1°/strani




Tolerancije sklobovih mera				Površinska zaštita	
SRPS G.A1.500 E				Identifikacijski broj	
Materijal				Masa	
PC				Razmera	
Slopp				2 : 1	
Kom		Korist		Naziv	
		27.11.14. B Simonović		TIPKALO JEDNOP. EXPERIENCE	
		Grad			
		Pogleda			
		Ceo telo		Označka	
		15.07.15. J. Ristić		art.72101.21	
		Datum		List	
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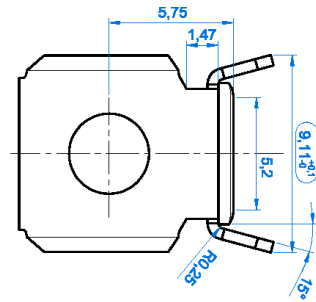
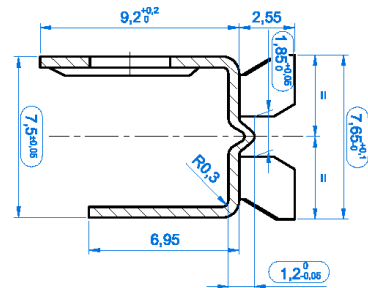
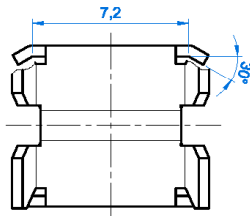
**NAPOMENE:**

- 1) -  $-1^\circ$ /strani  
2) +  $+1^\circ$ /strani

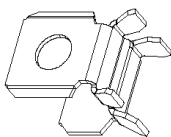
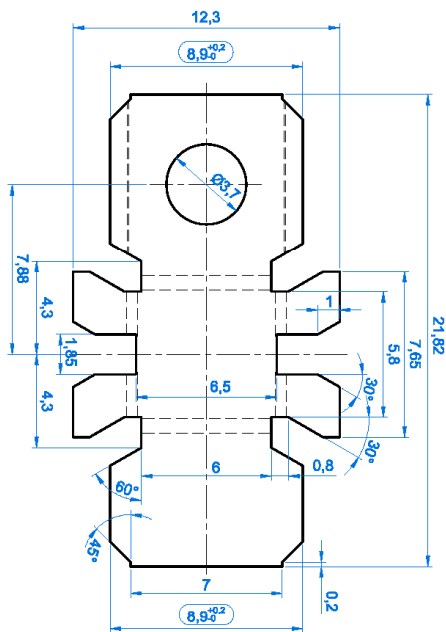
Obrazac PR.2.02-01/A4 Izdanje 1


		Tolerancije slobodnih mera				Površinska zaštita		
		SRPS G.A1.500 E						
		Materijal				Identifikacioni broj		Masa
		PA 6 GF						Razmera
Sklop	Kom							5 : 1
		Konstr.	Datum	Ime	Potpis	Naziv		
		Crtao	03.12.14.	B. Simonović		<b>KLIZAČ TIPKALA EXPERIENCE</b>		
		Pregledao		J. Ristić				
		Odobrio	15.01.15.	J. Ristić				
		 <b>ALING-CONEL GAJDOBRA</b>				Oznaka		List
						art.72101.22		Listova:
St. iz	Izmenio	Datum				Zamena za:		

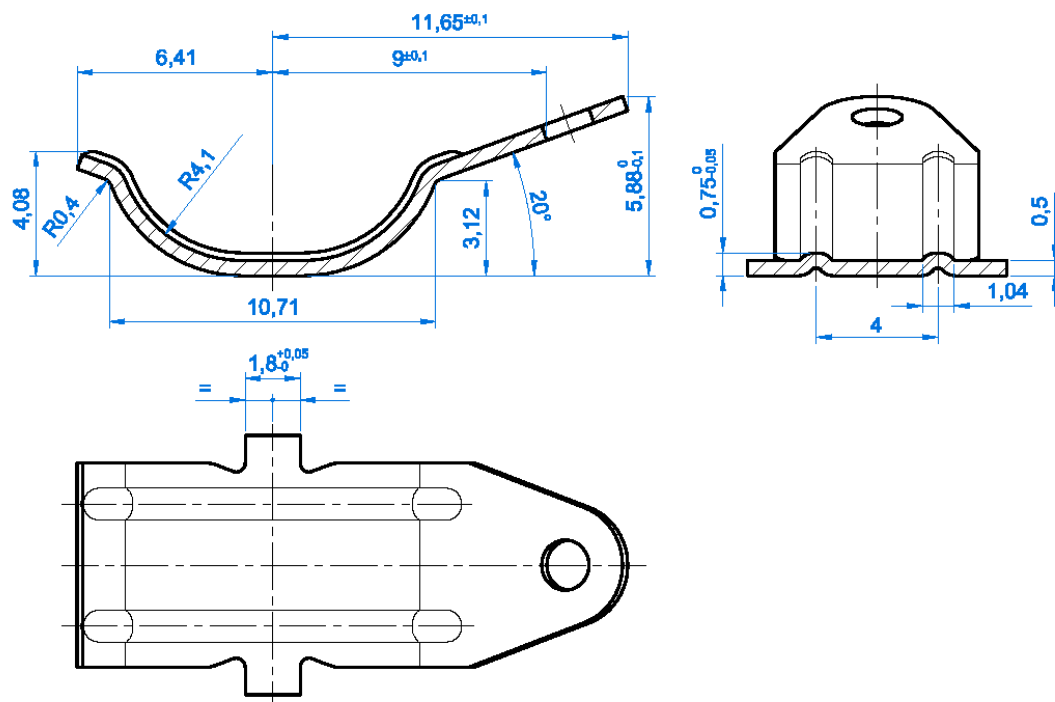
**Obrazac PR.2.02-01/A3 Izdanje 1**



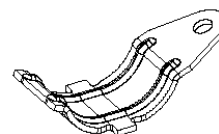
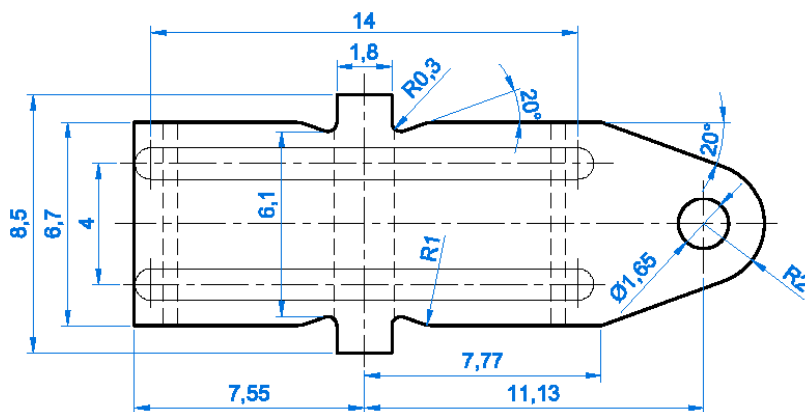
### RAZVIJENI OBLIK:




		Tolerancije sklobovih mera		Površinska zaštita	
		SRPS ISO 2768-c		Identifikacioni broj	
		Cuz37 45 0,5x12,2		Masa	
Sloj		Kom		Rezina	
				5:1	
		Datim	Ime	Naziv	
		Kompoz			
		Čvrsto			
		Prečista			
		Čistoća	18.11.14. J. Ristić		
St. iz		Izmetno	Datum		
			 <b>ALING-CONEL</b> <b>GAJDOBRA</b>		
			<b>NOSAČ</b> <b>KLAKALICE EXP</b> Označba <b>art.72101.41</b>		List 1 od 9
			Završna zrk.		



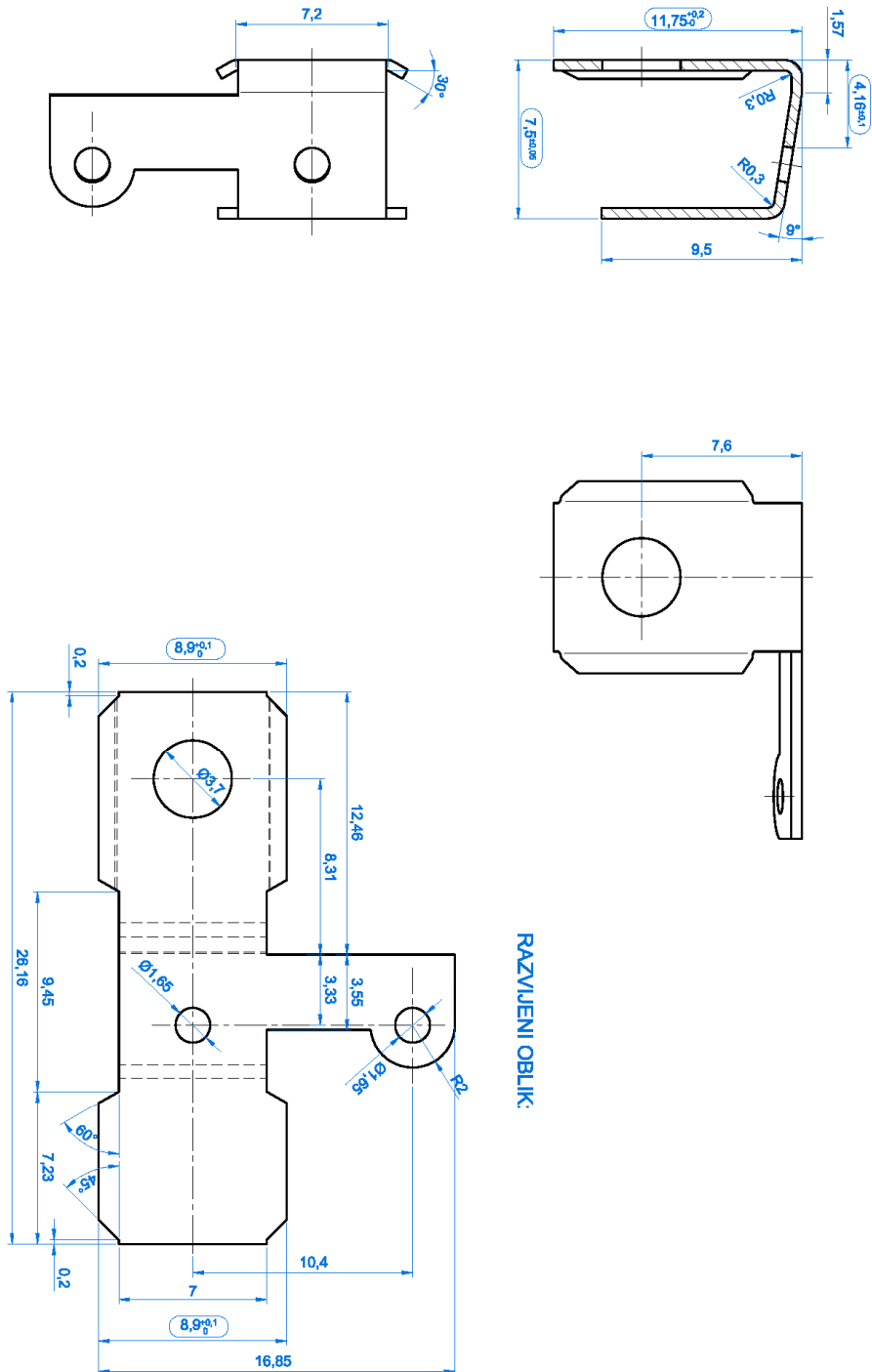
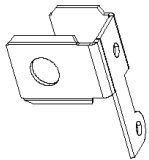
### RAZVIJENI OBLIK:



Obrazac PR.2.02-01/A4 Izdanje 1

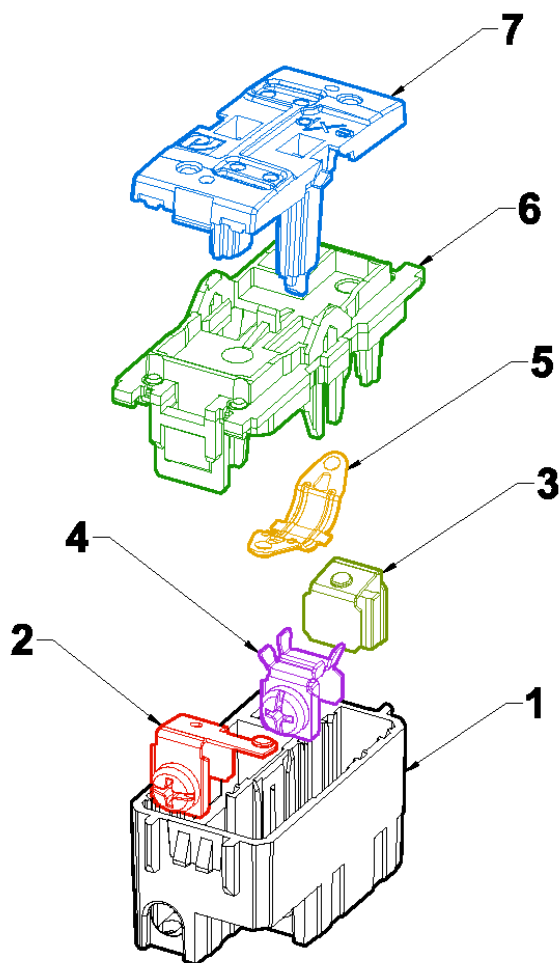
		Tolerancije slobodnih mera				Površinska zaštita		
		SRPS ISO 2768-c						
		Materijal				Identifikacioni broj		Masa
		CuZn37.45 0,5x24,5						Razmera
Sklop		Kom					5:1	
			Konstr.	Datum	Ime	Potpis	Naziv	
			Crtao				<b>KLACKALICA JEDNOPOLNA EXP</b>	
			Pregledao					
			Odobrio	19.11.14.	J. Ristić			
			 <b>ALING-CONEL GAJDOBRA</b>				Oznaka	List
							<b>art.72101.51</b>	
St. iz	Izmenio	Datum					Zamena za:	


**Obrazac PR.2.02-01/A3 Izdanje 1**



### RAZVIJENI OBLIK:

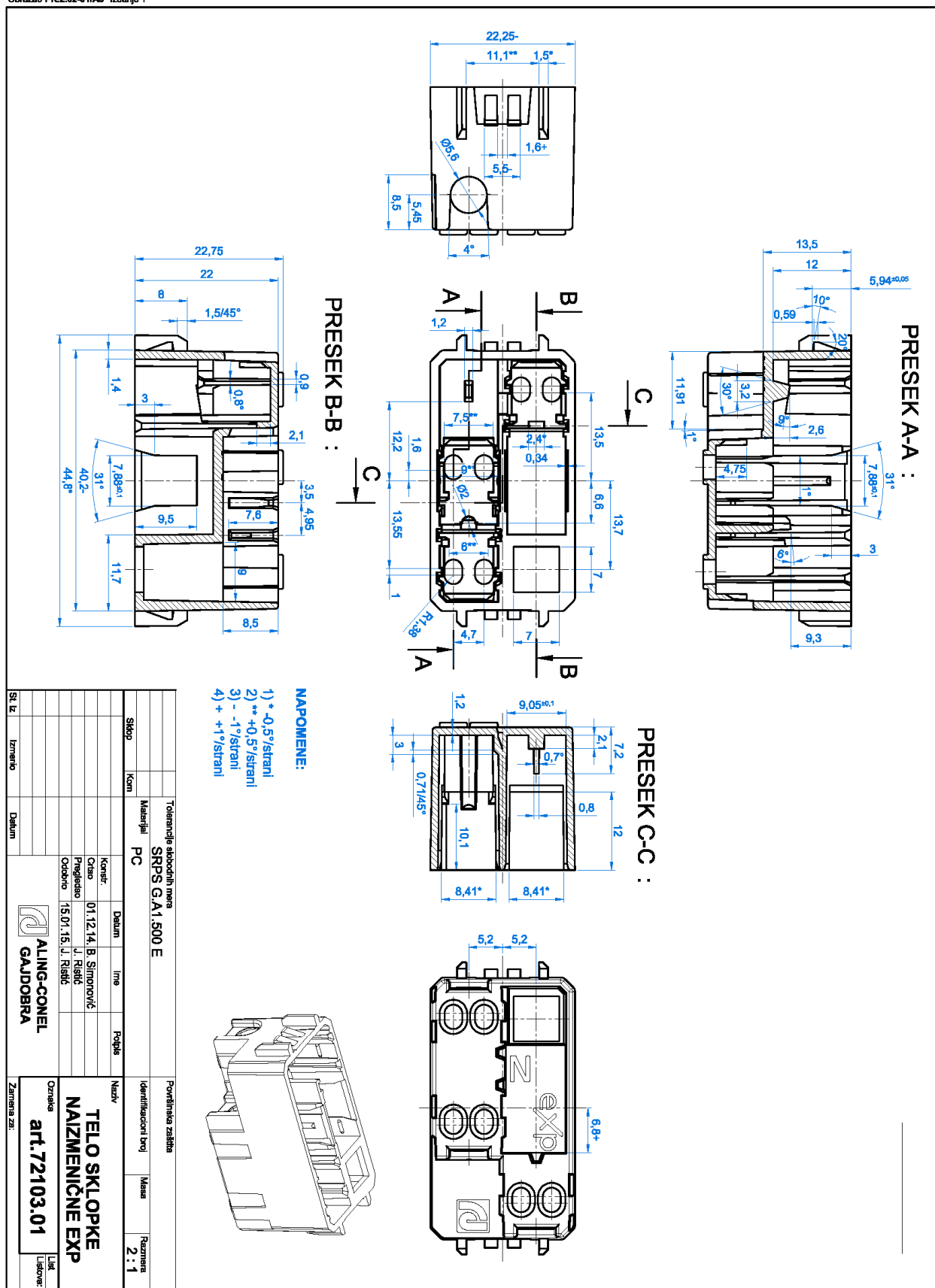
[illegible]



7	Tipkalo jednop. sklop EXP	PSK.72101.2	1			
6	Poklopac sklopke sklop EXP	PSK.72101.1	1			
5	Klackalica naizm. sklop EXP	PSK.72103.5	1			
4	Nosač klack. sklop EXP	PSK.72101.4	1			
3	Kont. nepokr. levi sklop EXP	PSK.72103.3	1			
2	Kont. nepokr. desni skl. EXP	PSK.72101.3	1			
1	Telo sklopke nalzm. EXP	art.72103.01	1	PC		
Poz.	Naziv	Oznaka	Kom.	Materijal	Dimenzije	Napomena
		Tolerancije slobodnih mera			Površinska zaštita	
		Materijal			Identifikacioni broj	Masa
	Sklop	Kom				Razmera
			Datum	Ime	Potpis	Naziv
		Konstr.				SKLOPKA NAIZMEN. EXP 16AX 250V~ 1M
		Crtao				
		Pregledao				
		Odobrio	09.05.14.	J. Ristić		
		 ALING-CONEL GAJDOBRA				Oznaka
						art.72103
St. iz	Izmenio	Datum				List Listova:
						Zamena za:

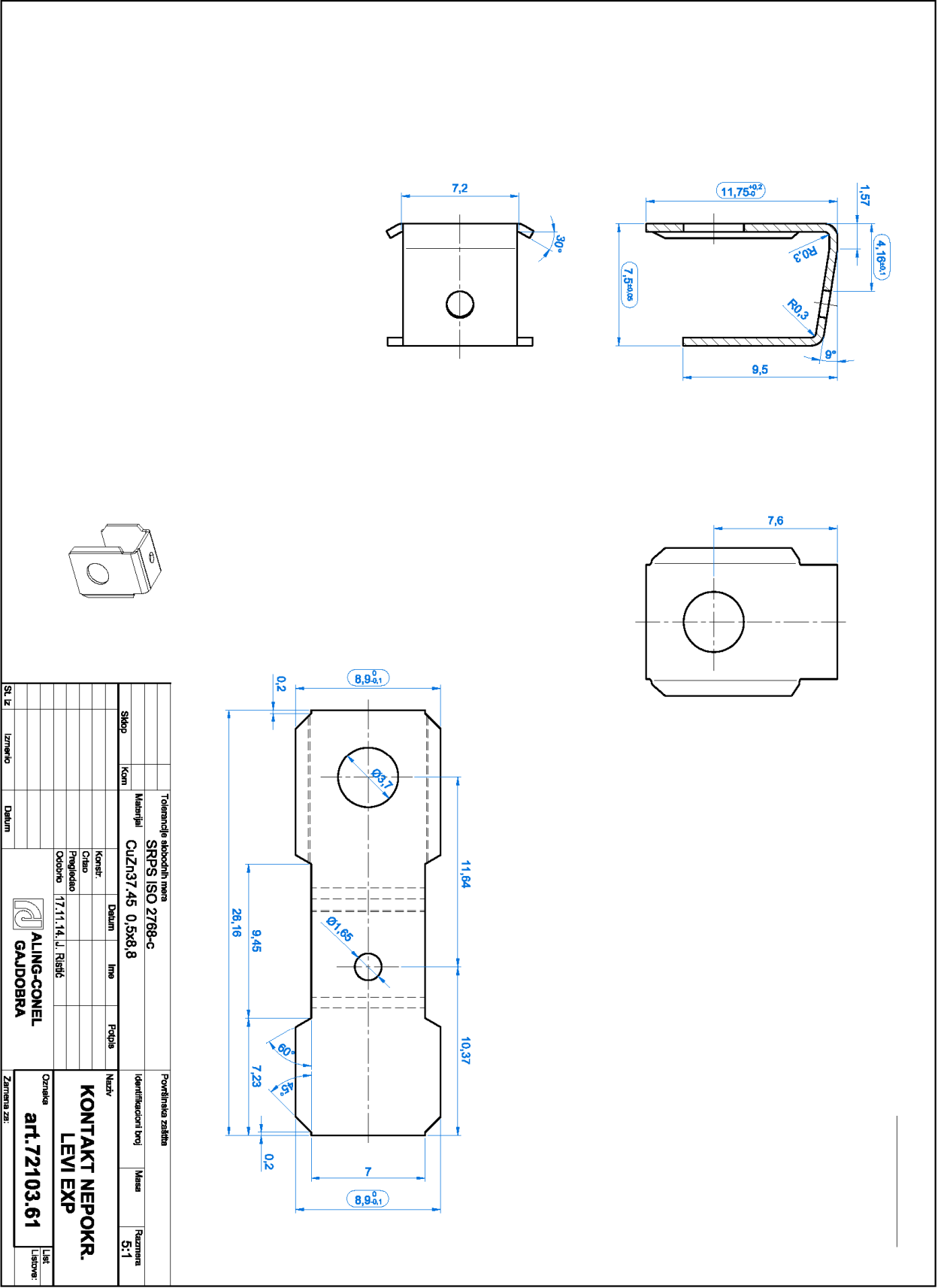
Obrazac PR.2.02-01 izdanje 1

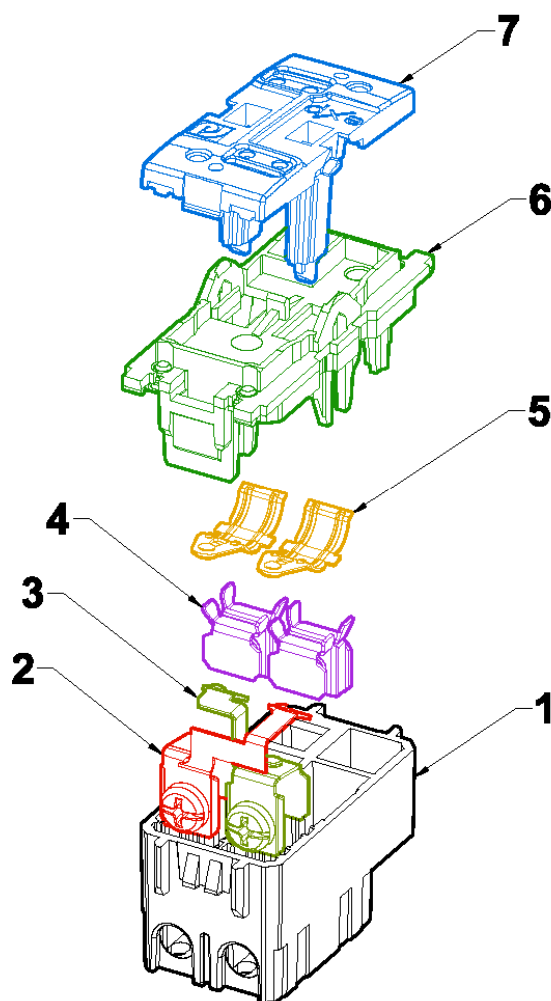
Obrazac PR.2.02-01/A3 Izdanie 1






Obrazac PR.2.02-01/A3 Izdanje 1

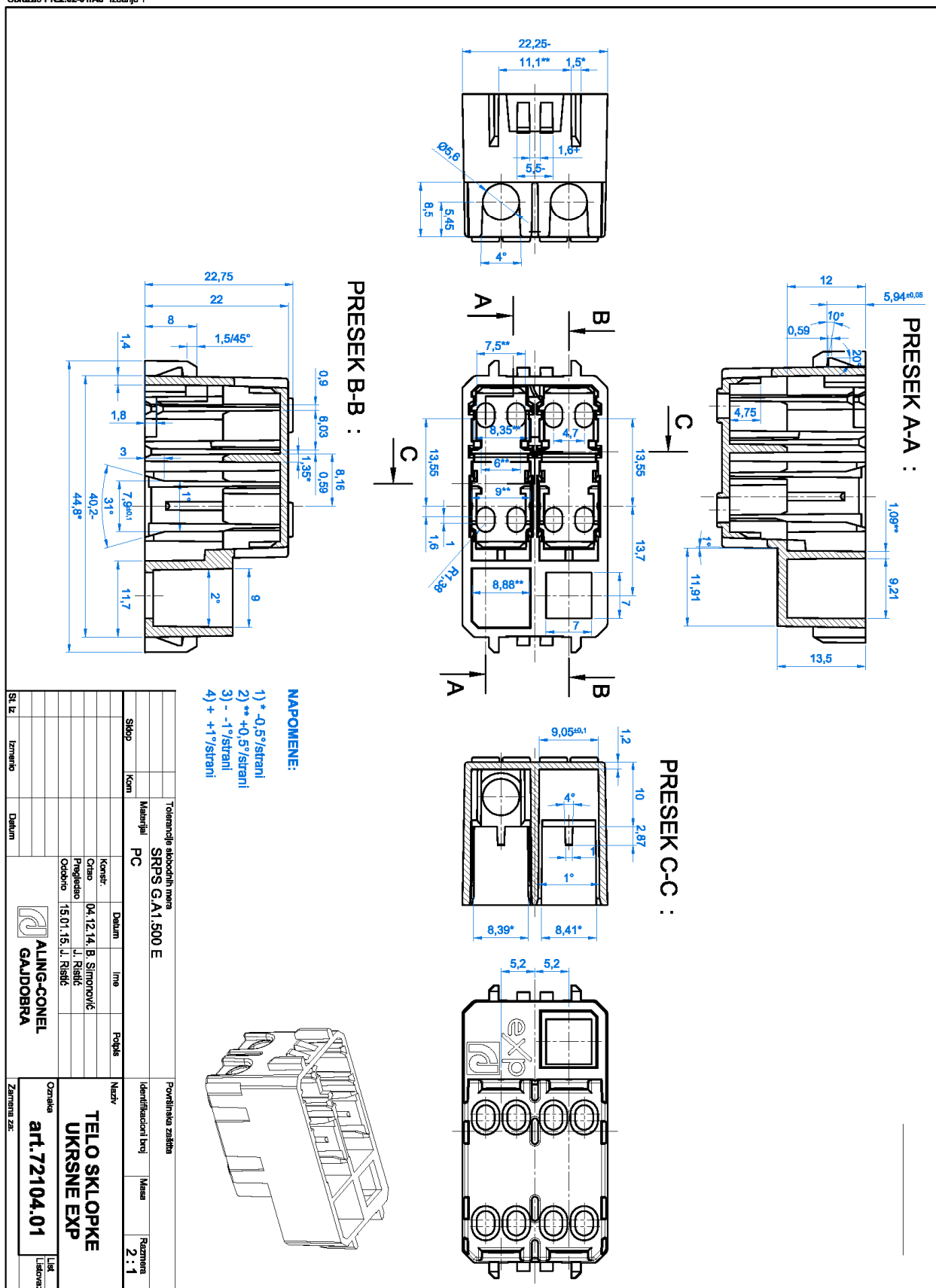




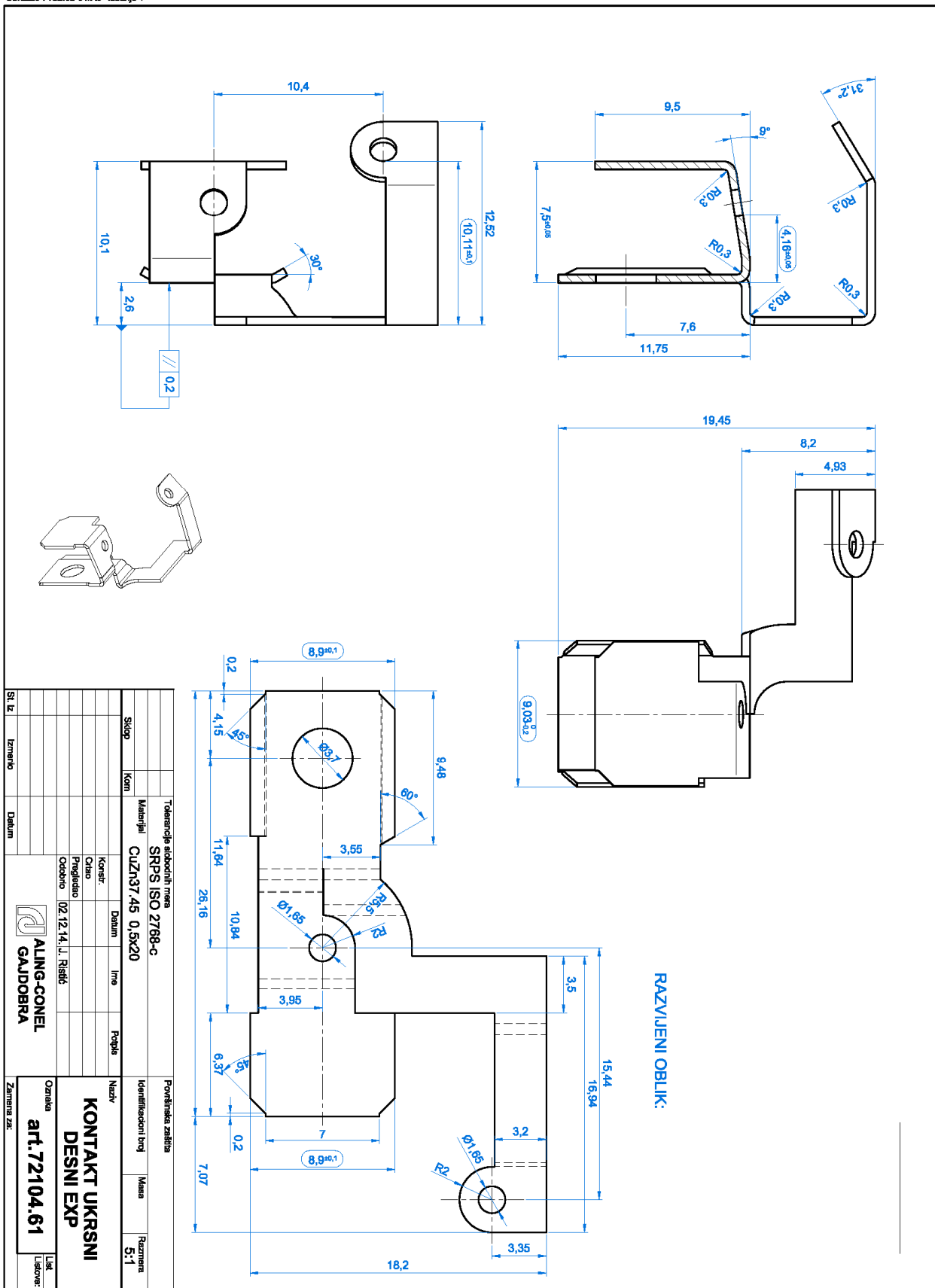
7	Tipkalo ukrsko sklop EXP	PSK.72104.2	1				
6	Poklopac sklopke sklop EXP	PSK.72101.1	1				
5	Klackalica ukrsna sklop EXP	PSK.72104.5	2				
4	Nosač klack. sklop EXP	PSK.72101.4	2				
3	Kont. ukrsni levi sklop EXP	PSK.72104.4	1				
2	Kont. ukrsni desni skl. EXP	PSK.72104.3	1				
1	Telo sklopke ukrsno EXP	art.72104.01	1	PC			
Poz.	Naziv	Oznaka	Kom.	Materijal	Dimenzije	Napomena	
		Tolerancije slobodnih mera			Površinska zaštita		
		Materijal			Identifikacioni broj	Masa	
	Sklop	Kom				Razmera	
			Datum	Ime	Potpis	Naziv  <b>SKLOPKA UKRSNA EXP 16AX 250V~ 1M</b>	
		Konstr.					
		Crtao					
		Pregledao					
		Odobrio	09.05.14.	J. Ristić			
			 <b>ALING-CONEL GAJDOBRA</b>			Oznaka  <b>art.72104</b>	
							List
							Listova:
St. iz	Izmenio	Datum	Zamena za:				

Obrazac PR-2.02-01 Izdanje 1

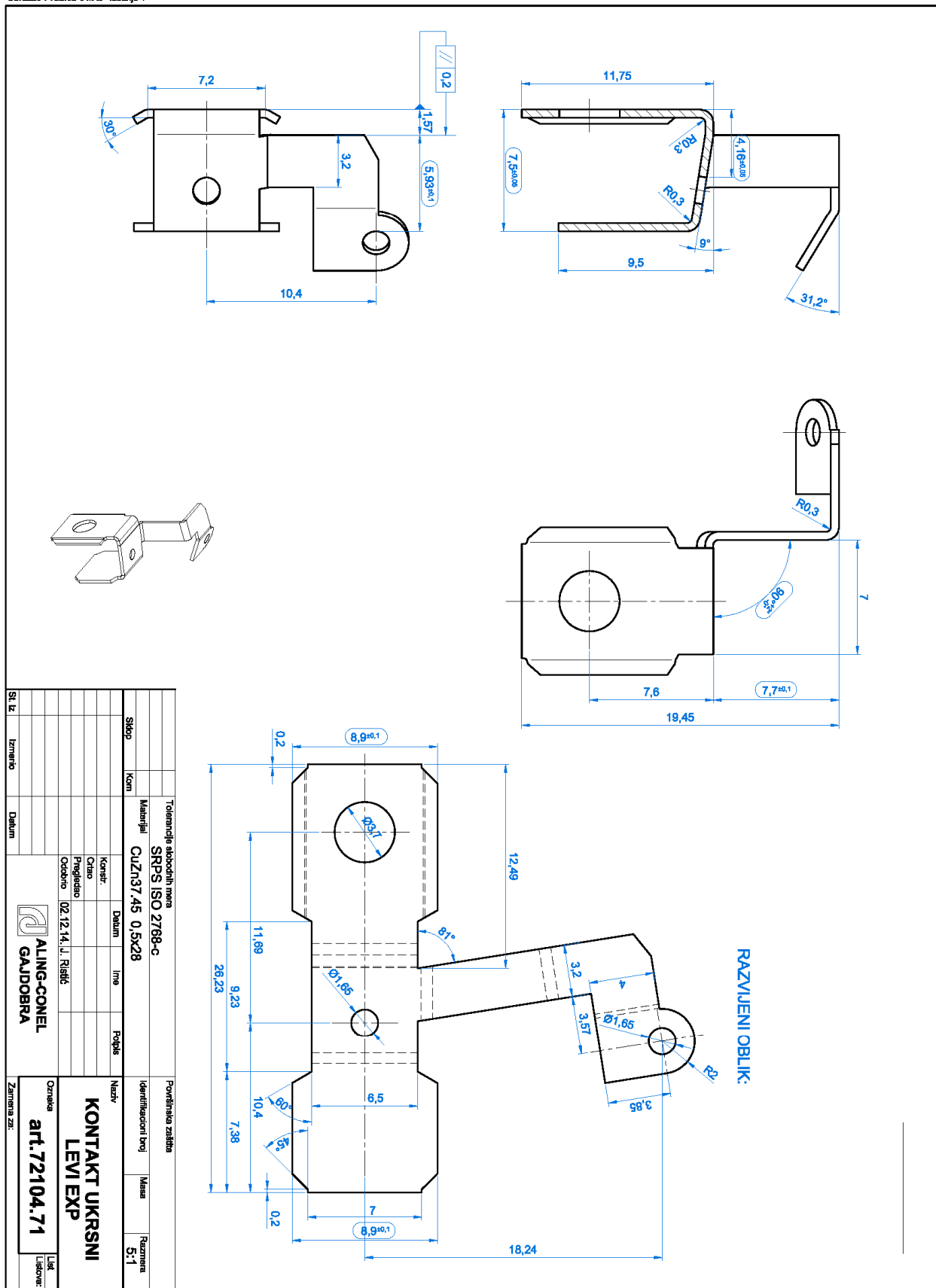
Obrazac PR.2.02-01/A3 Izdanie 1

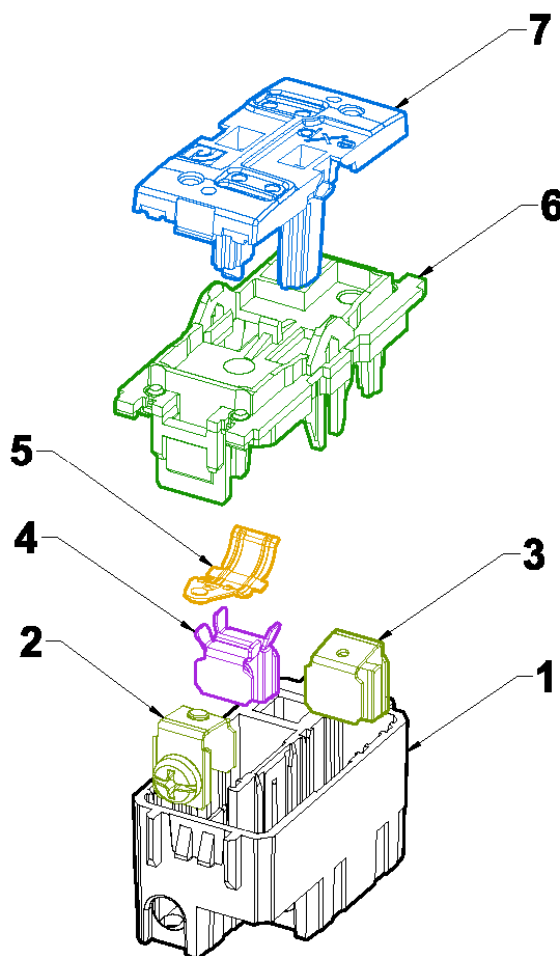



Obrazac PR.2.02-01/A3 Izdanje 1



Obrazac PR.2.02-01/A3 Izdanje 1

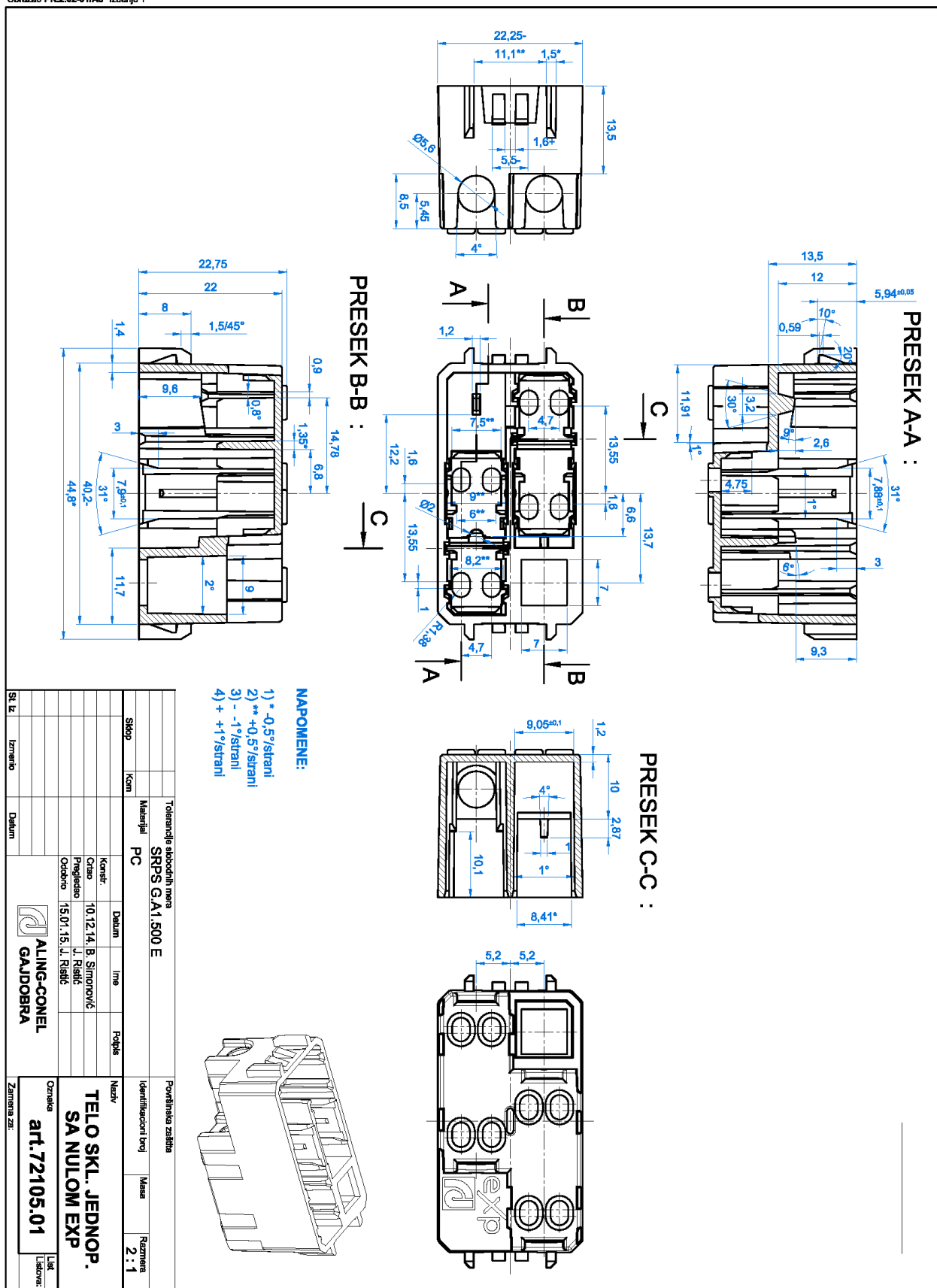


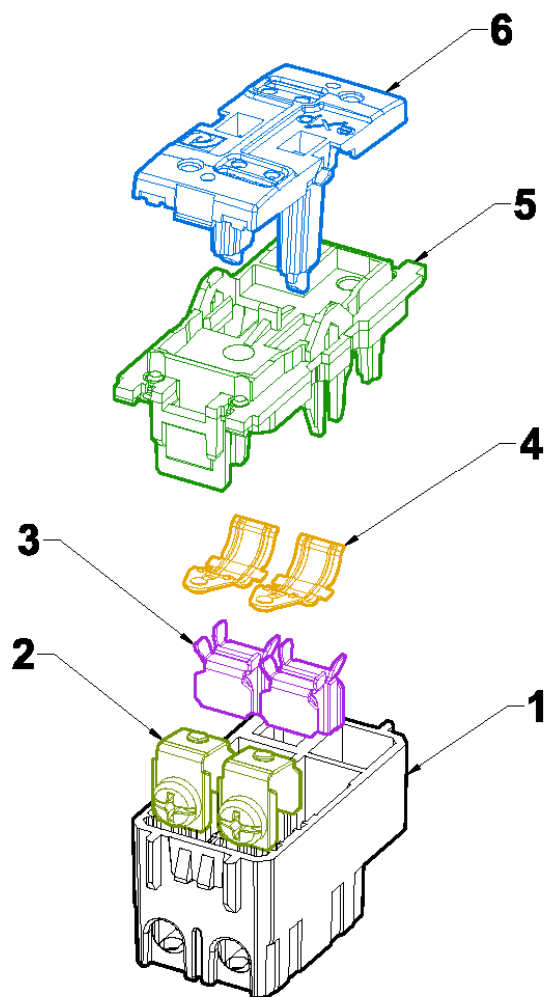



7	Tipkalo jednop. sklop EXP	PSK.72101.2	1			
6	Poklopac sklopke sklop EXP	PSK.72101.1	1			
5	Klackalica jednop. sklop EXP	PSK.72101.5	1			
4	Nosač klack. sklop EXP	PSK.72101.4	1			
3	Kontakt nule sklop EXP	PSK.72105.3	1			
2	Kont. nepokr. levi sklop EXP	PSK.72103.3	1			
1	Telo skl. jednop. sa N EXP	art.72105.01	1	PC		
Poz.	Naziv	Oznaka	Kom.	Materijal	Dimenzije	Napomena
		Tolerancije slobodnih mera			Površinska zaštita	
		Materijal			Identifikacioni broj	Masa
	Sklop	Kom				Razmera
					Naziv	
		Konstr.	Datum	Ime	Potpis	SKL. JEDNOP. SA N EXP 16AX 250V~ 1M
		Crtao				
		Pregledao				
		Odobrio	12.01.15.	J. Ristić		
			 <b>ALING-CONEL GAJDOBRA</b>			Oznaka
						art.72105
St. iz	Izmenio	Datum	Zamena za:			Lst Listova:

Obrazac PR-2.02-01 izdanje 1

Obrazac PR.2.02-01/A3 Izdanie 1

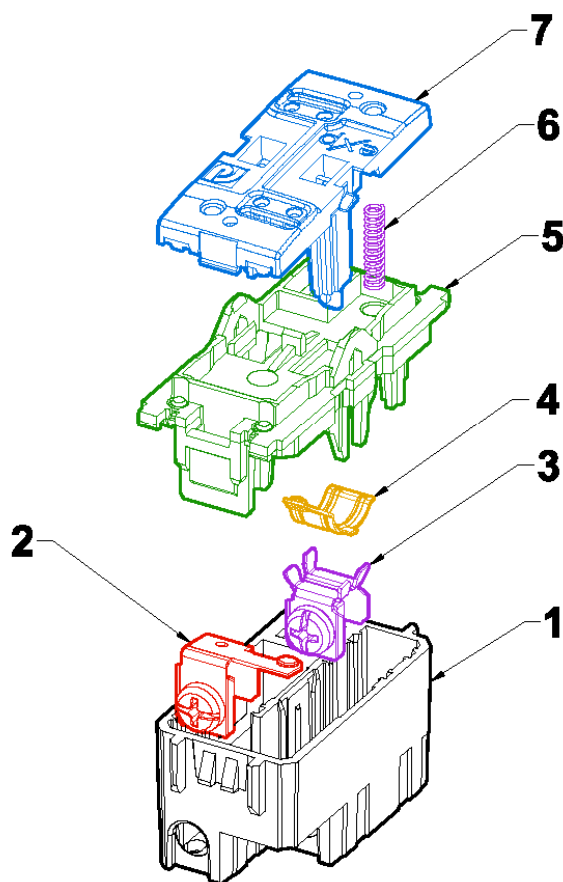





6	Tipkalo ukrsko sklop EXP	PSK.72104.2	1			
5	Poklopac sklopke sklop EXP	PSK.72101.1	1			
4	Klackalica jednop. sklop EXP	PSK.72101.5	2			
3	Nosač klack. sklop EXP	PSK.72101.4	2			
2	Kont. nepokr. levi sklop EXP	PSK.72103.3	2			
1	Telo sklopke ukrsko EXP	art.72104.01	1	PC		
Poz.	Naziv	Oznaka	Kom.	Materijal	Dimenzije	Napomena
		Tolerancije slobodnih mera			Površinska zaštita	
		Materijal			Identifikacioni broj	Masa
	Sklop	Kom				Razmera
			Datum	Ime	Potpis	Naziv  <b>SKLOPKA DVOPOLNA EXP 10AX 250V~ 1M</b>
		Konstr.				
		Crtao				
		Pregledao				
		Odobrio	09.05.14.	J. Ristić		
		 <b>ALING-CONEL GAJDOBRA</b>				Oznaka
St. iz	Izmenio	Datum	Zamena za:			
		art.72106				
		List				
		Listova:				

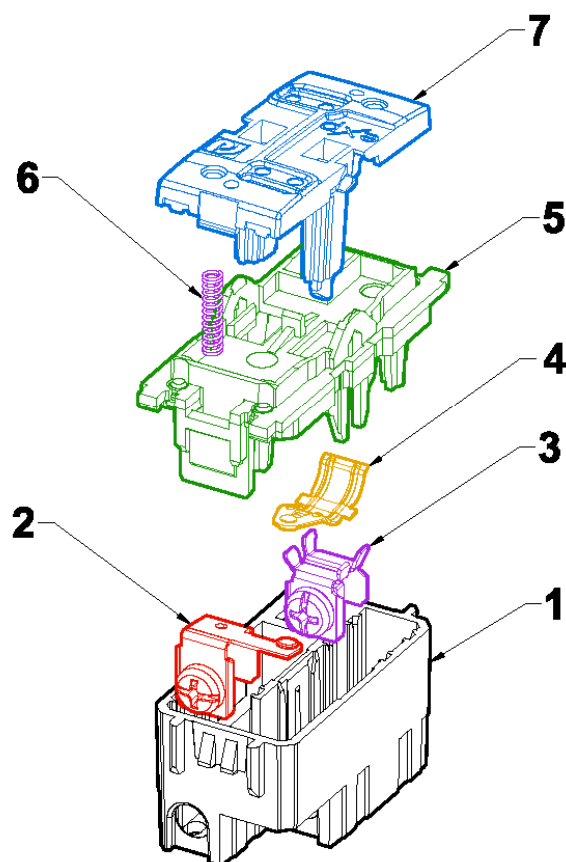
Obrazac PR-2.02-01 izdanje 1





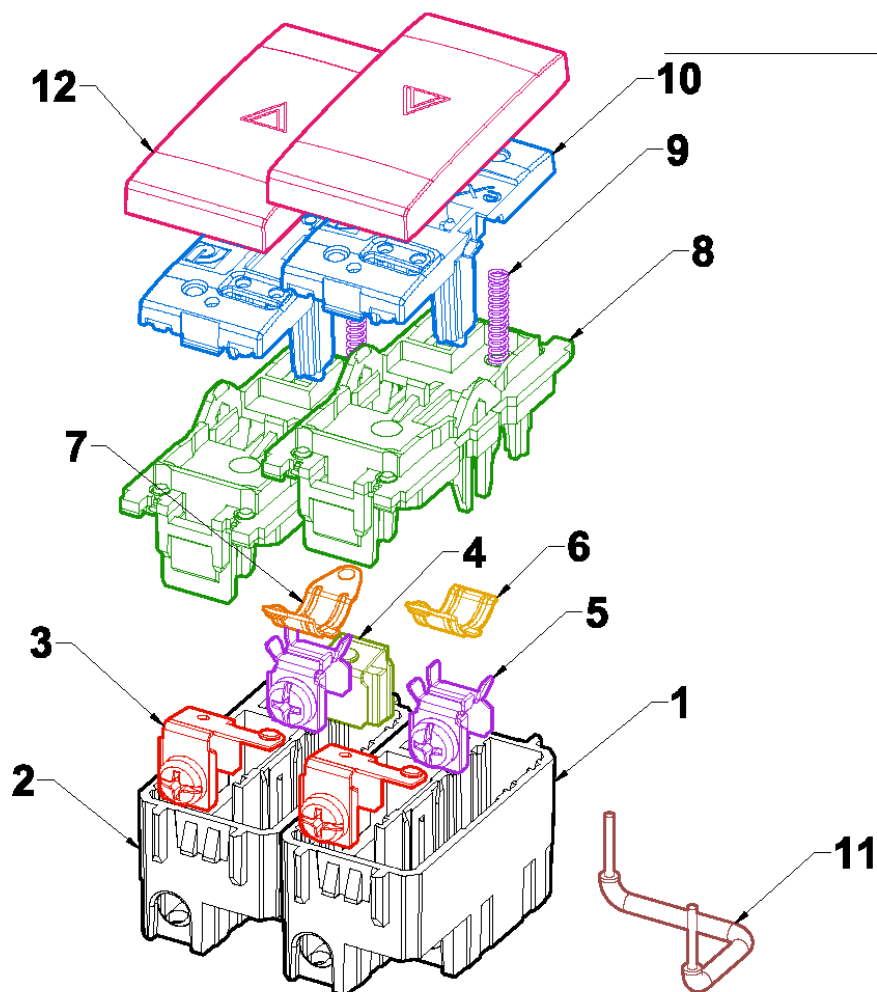
7	Tipkalo jednop. sklop EXP	PSK.72101.2	1			
6	Opruga tipkala 16A	art.619.33	1	DIN 2076C	Ø0,4	brunirano
5	Poklopac sklopke sklop EXP	PSK.72101.1	1			
4	Klackalica jednop. sklop EXP	PSK.72101.5	1			
3	Nosač klack. sklop EXP	PSK.72101.4	1			
2	Kont. nepokr. desni skl. EXP	PSK.72101.3	1			
1	Telo sklopke Jednopolno EXP	art.72101.01	1	PC		
Poz.	Naziv	Oznaka	Kom.	Materijal	Dimenzije	Napomena
		Tolerancije slobodnih mera			Površinska zaštita	
		Materijal			Identifikacioni broj	Masa
	Sklop	Kom				Razmera
					Naziv	
		Konstr.	Datum	Ime	Potpis	TASTER SKL. 1P NO EXP 16AX 250V~ 1M
		Crtao				
		Pregledao				
		Odobrio	09.05.14.	J. Ristić		
		 ALING-CONEL GAJDOBRA			Oznaka	List
					art.72111	Listova:
St. iz	Izmenio	Datum	Zamena za:			


Obrazac PR.2.02-01 izdanje 1

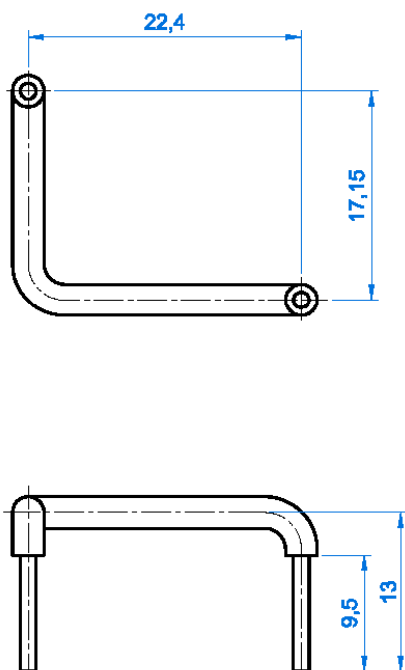


7	Tipkalo jednop. sklop EXP	PSK.72101.2	1			
6	Opruga tipkala 16A	art.619.33	1	DIN 2076C	Ø0,4	brunirano
5	Poklopac sklopke sklop EXP	PSK.72101.1	1			
4	Klackalica jednop. sklop EXP	PSK.72101.5	1			
3	Nosač klack. sklop EXP	PSK.72101.4	1			
2	Kont. nepokr. desni skl. EXP	PSK.72101.3	1			
1	Telo sklopke jednopolno EXP	art.72101.01	1	PC		
Poz.	Naziv	Oznaka	Kom.	Materijal	Dimenzije	Napomena
Tolerancije slobodnih mera				Površinska zaštita		
Materijal				Identifikacioni broj	Masa	Razmera
Sklop	Kom					
		Konstr.	Datum	Ime	Potpis	Naziv
		Crtao				<b>TASTER SKL. 1P NC EXP 16AX 250V~ 1M</b>
		Pregledao				
		Odobrio	09.05.14.	J. Ristić		
		<b>ALING-CONEL GAJDOBRA</b>			Oznaka	List
					<b>art.72112</b>	Listova:
St. iz	Izmenio	Datum	Zamena za:			

Obrazac PR-2.02-01 izdanje 1

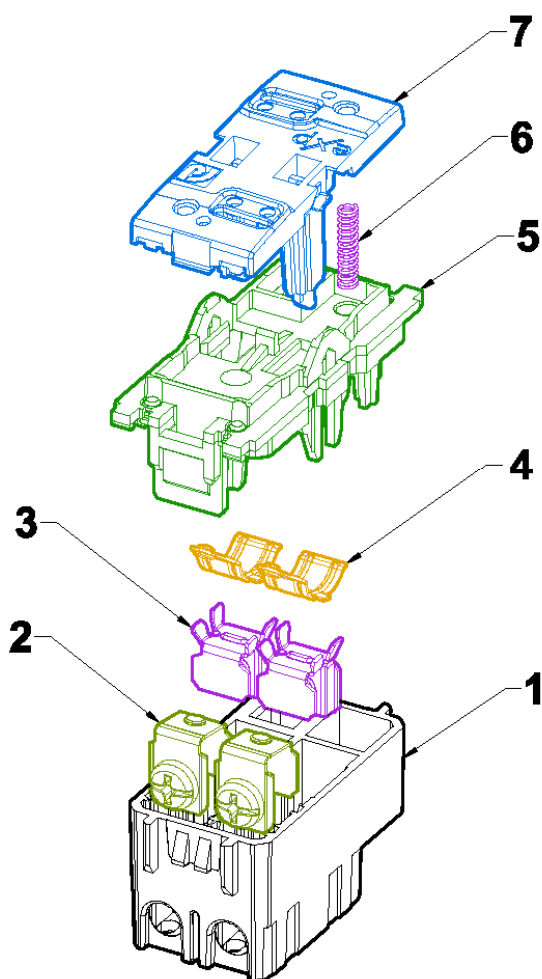



12	Tast. sa ozn. strelice 1M EXP	art.73102.01	2				
11	Prov. za prespaj. roletne EXP	art.72114.01	1	P 1,5 sqmm			
10	Tipkalo jednop. sklop EXP	PSK.72101.2	2				
9	Opruga tipkala 16A	art.619.33	2	DIN 2076C	Ø0,4	brunirano	
8	Poklopac sklopke sklop EXP	PSK.72101.1	2				
7	Klackalica naizm. sklop EXP	PSK.72103.5	1				
6	Klackalica jednop. sklop EXP	PSK.72101.5	1				
5	Nosač klack. sklop EXP	PSK.72101.4	2				
4	Kont. nepokr. levi sklop EXP	PSK.72103.3	1				
3	Kont. nepokr. desni skl. EXP	PSK.72101.3	2				
2	Telo sklopke naizmen. EXP	art.72103.01	1				
1	Telo sklopke jednapolno EXP	art.72101.01	1	PC			
Poz.	Naziv	Oznaka	Kom.	Materijal	Dimenzije	Napomena	
		Tolerancije slobodnih mera			Površinska zaštita		
		Materijal			Identifikacioni broj	Masa	
						Razmera	
Sklop	Kom						
			Datum	Ime	Potpis	Naziv	
		Konstr.				TAST. SKL. ROLETNE EXP 16AX 250V~ 1M	
		Crtao					
		Pregledao					
		Odobrio	12.01.15.	J. Ristić			
			 ALING-CONEL GAJDOBRA			Oznaka	List
						art.72114	Listova:
St. iz	Izmenio	Datum				Zamena za:	



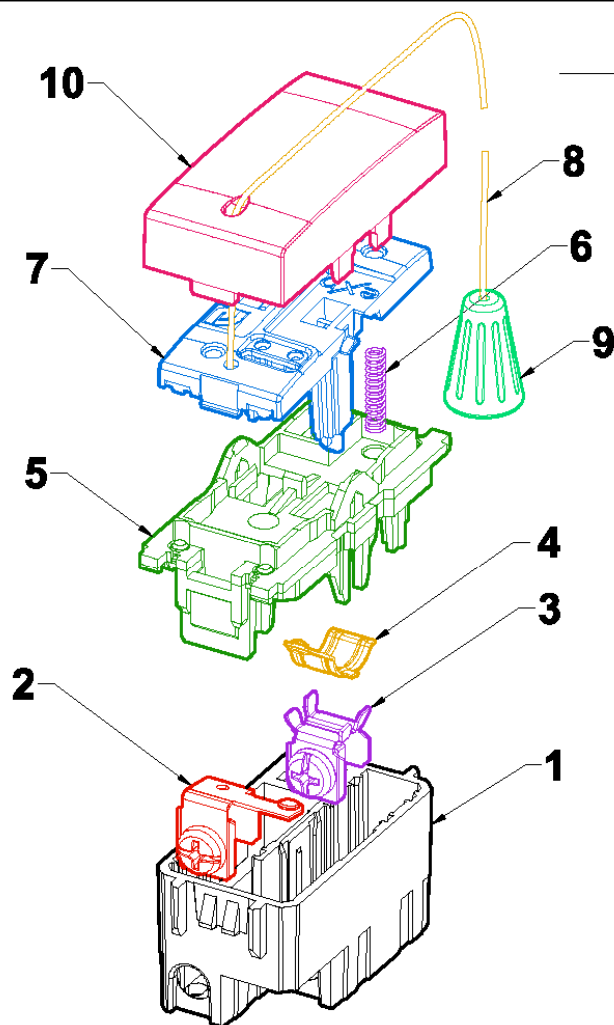
Obrazac PR-2.02-01 Izdanje 1

		Tolerancije slobodnih mera				Površinska zaštita			
		Materijal <b>P 1,5mm2 braon (crni)</b>				Identifikacioni broj		Masa	Razmera
Sklop	Kom								
		Konstr.	Datum	Ime	Potpis	Naziv			
		Crtao				<b>PROVODNIK ZA PRESK. ROLETNE EXP</b>			
		Pregledao							
		Odobrio	12.01.15.	J. Ristić		Oznaka		Lst	Listova:
		<b>ALING-CONEL GAJDOBRA</b>				<b>art.72114.01</b>			
St. iz	Izmenio								



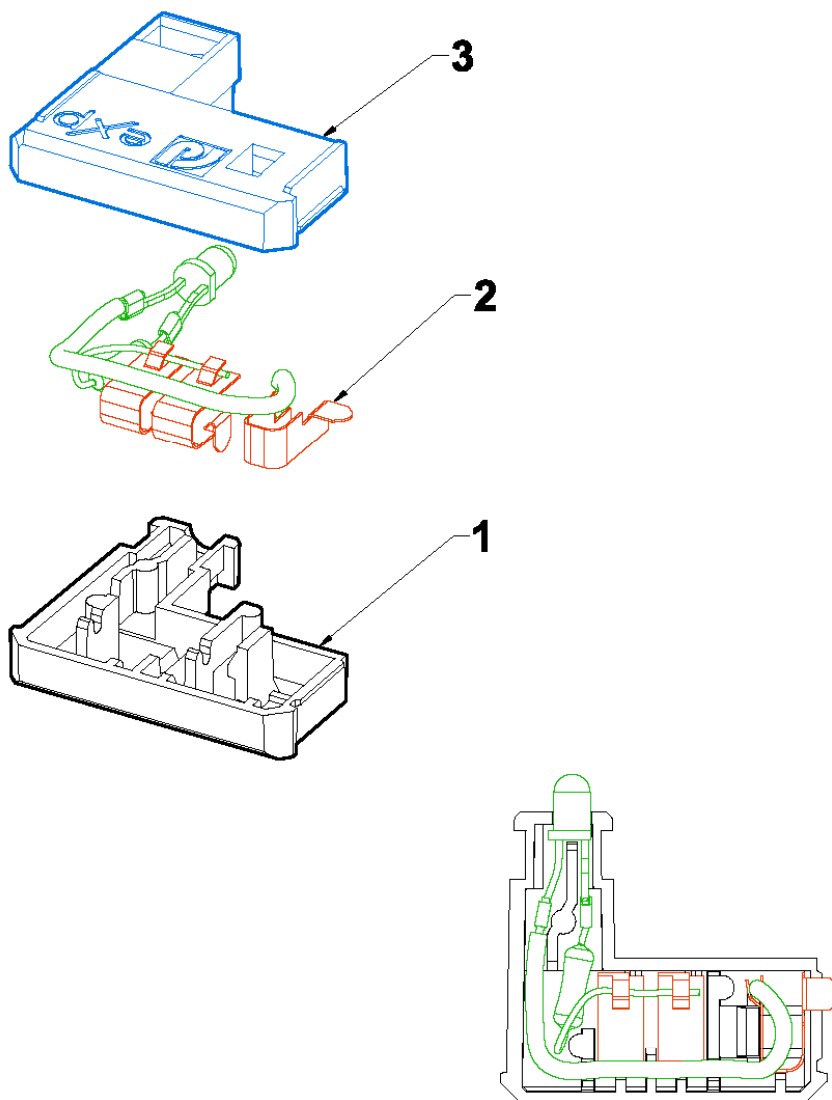
7	Tipkalo ukrsko sklop EXP	PSK.72104.2	1			
6	Opruga tipkala 16A	art.619.33	1	DIN 2076C	Ø0,4	brunirano
5	Poklopac sklopke sklop EXP	PSK.72101.1	1			
4	Klackalica jednop. sklop EXP	PSK.72101.5	2			
3	Nosač klack. sklop EXP	PSK.72101.4	2			
2	Kont. nepokr. levi sklop EXP	PSK.72103.3	2			
1	Telo sklopke ukrsko EXP	art.72104.01	1	PC		
Poz.	Naziv	Oznaka	Kom.	Materijal	Dimenzije	Napomena
		Tolerancije slobodnih mera			Površinska zaštita	
		Materijal			Identifikacioni broj	Masa
	Sklop	Kom				Razmera
			Datum	Ime	Potpis	Naziv
		Konstr.				TAST. SKL. DVOPOL. EXP 10AX 250V~ 1M
		Crtao				
		Pregledao				
		Odobrio	12.01.15.	J. Ristić		
		 ALING-CONEL GAJDOBRA			Oznaka	List
					art.72116	Listova:
St. iz	Izmenio	Datum	Zamena za:			


Obrazac PR.2.02-01 izdanje 1



10	Maska potezne sklopke EXP	art.72117.01	1	ABS		
9	Potezač		1			
8	Kanap		1		Ø1,3 x 300	
7	Tipkalo jednop. sklop EXP	PSK.72101.2	1			
6	Opruga tipkala 16A	art.619.33	1	DIN 2076C	Ø0,4	brunirano
5	Poklopac sklopke sklop EXP	PSK.72101.1	1			
4	Klackalica jednop. sklop EXP	PSK.72101.5	1			
3	Nosač klack. sklop EXP	PSK.72101.4	1			
2	Kont. nepokr. desni skl. EXP	PSK.72101.3	1			
1	Telo sklopke jednopolno EXP	art.72101.01	1	PC		
Poz.	Naziv	Oznaka	Kom.	Materijal	Dimenzije	Napomena
		Tolerancije slobodnih mera			Površinska zaštita	
		Materijal			Identifikacioni broj	Masa
	Sklop	Kom				Razmera

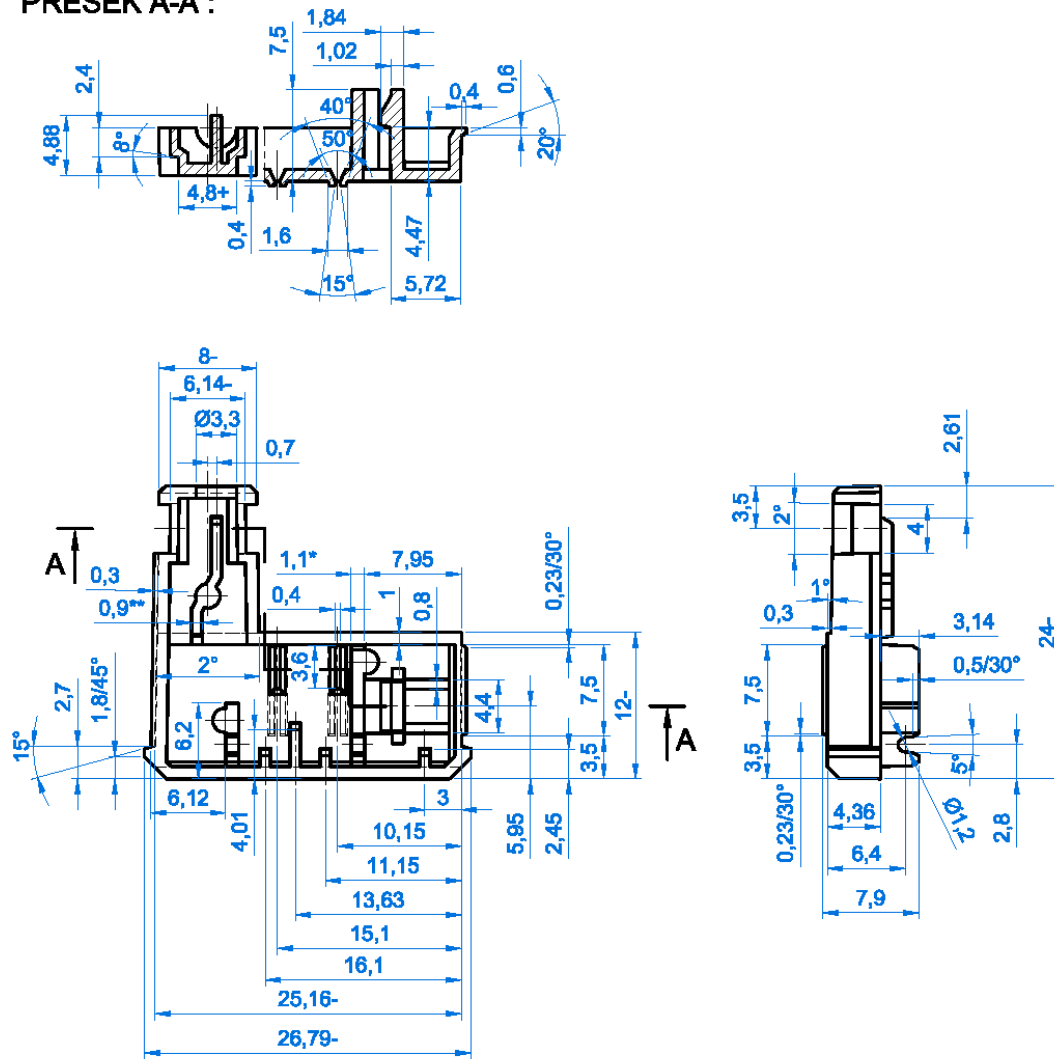
Obrazac PR-2.02-01 Izdanje 1



3	Kuč. ind. sa kont. levo EXP	art.72181.02	1	PC					
2	LED indikacija sklop EXP	PSK.72181.1	1						
1	Kuč. Ind. sa kont. desno EXP	art.72181.01	1	PC					
Poz.	Naziv	Oznaka	Kom.	Materijal	Dimenzije	Napomena			
		Tolerancije slobodnih mera			Površinska zaštita				
		Materijal			Identifikacioni broj	Masa			
Sklop	Kom					Razmera 2:1			
					Naziv				
		Konstr.			LED INDIKACIJA EXP SA KONTAKTIMA				
		Crtao							
		Pregledao							
		Odobrio	15.01.15.	J. Ristić					
		 ALING-CONEL GAJDOBRA				Oznaka	List		
								art.72181	Listova:
St. iz	Izmenio	Datum	Zamena za:						

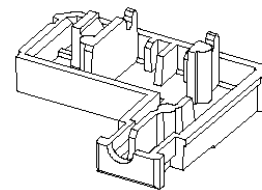
Obrazac PR.2.02-01 izdanje 1

## PRESEK A-A :



## NAPOMENE:

- 1) \* -0.5°/strani
- 2) \*\* +0.5°/strani
- 3) - -1°/strani
- 4) + +1°/strani



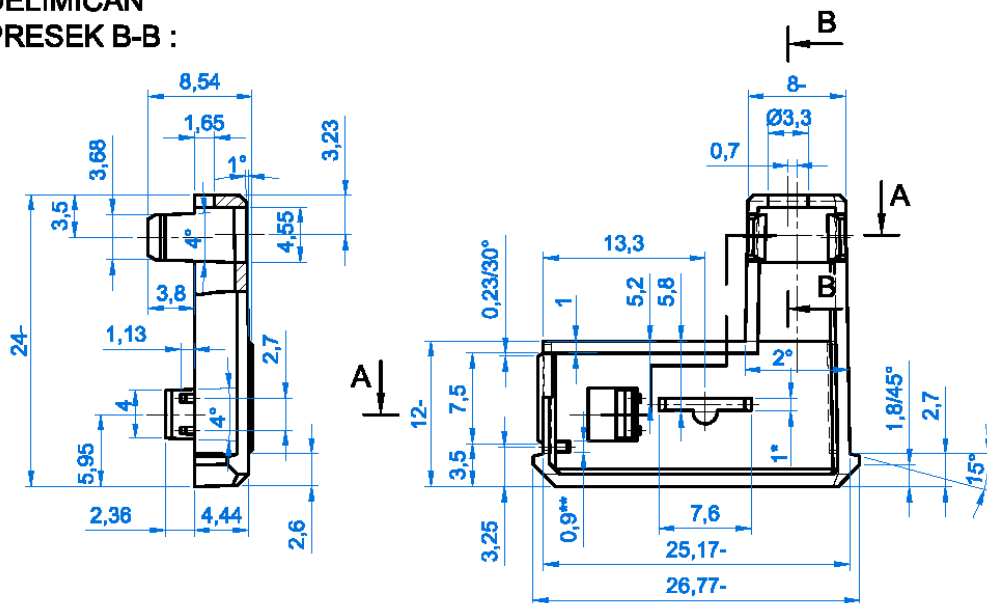
Obrazac PR-2.02-01/A4 Izdanje 1

		Tolerancije slobodnih mera				Površinska zaštita		
		SRPS G.A1.500 E						
		Materijal				Identifikacioni broj		
		PC				Masa		
Sklop	Kom					Razmera		
						2 : 1		
						Naziv		
						KUĆIŠTE INDIKACIJE		
						SA KONT. DESNO EXP		
						Oznaka		
						art.72181.01		
						List		
						Listova:		
St. iz	Izmenio	Datum				Zamena za:		

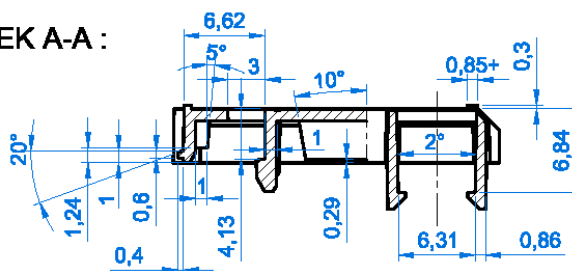

 ALING-CONEL  
GAJDOBRA



### DELIMIČAN PRESEK B-B :

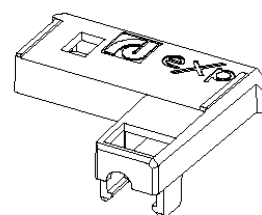


### PRESEK A-A :




### NAPOMENE:

- 1) \* -0.5°/strani
- 2) \*\* +0.5°/strani
- 3) - -1°/strani
- 4) + +1°/strani

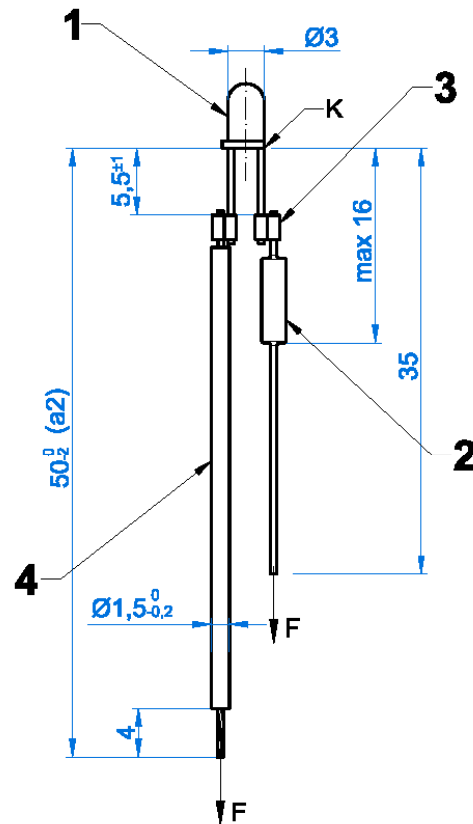


Obrazac PR.2.02-01/A4 Izdanje 1

		Tolerancije slobodnih mera				Površinska zaštita			
		SRPS G.A1.500 E							
		Materijal				Identifikacioni broj		Masa	Razmera
Sklop		Kom		PC					2 : 1
					Datum	Ime	Potpis	Naziv	
				Konstr.				KUĆIŠTE INDIKACIJE SA KONT. LEVO EXP	
				Crtao	26.01.15.	B. Simonović			
				Pregledao		J. Ristić			
				Odobrio	02.02.15.	J. Ristić		Oznaka	
								art.72181.02	
				ALING-CONEL GAJDOBRA				List Listova:	
St. iz	Izmenio		Datum		Zamena za:				



**ALING-CONEL**  
**GAJDOBRA**




#### TECHNICAL DATA FOR LED AND RESISTOR:

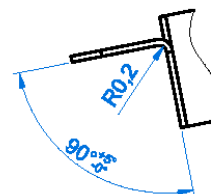
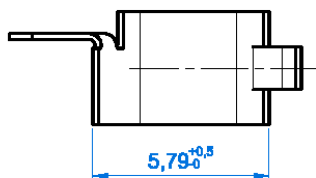
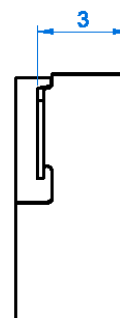
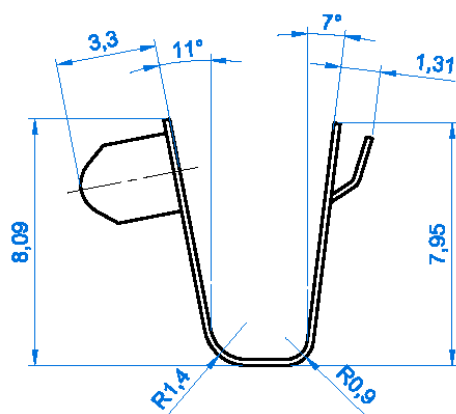
- Nominal voltage: 230V~ 50Hz
- Nominal effective current ~ 0.2 - 0.25 mA
- Colors: RED SUPERBRIGHT, BLUE

#### REMARK:

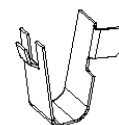
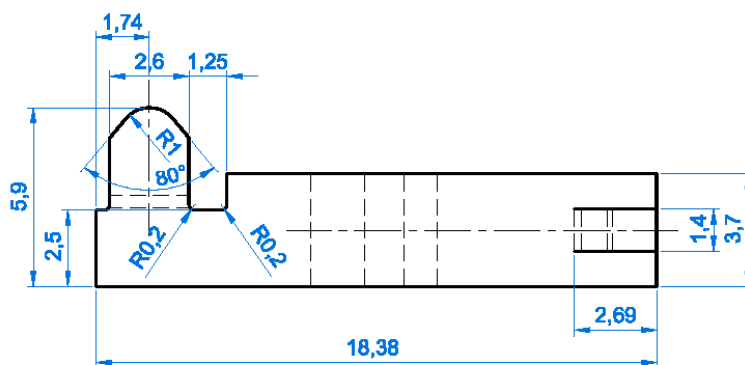
- Instead of clips alternatively can be applied soldering,
- Conductor must keep on drawing force (F) min 10N,
- (a1) - Conductor insulation color must be same like LED color: red, blue

4	Conductor			1	PVC flexible	AWG24	min 1000V	
3	Clip			2	CuZn			
2	Resistor		0,6W	1		max Ø2.8		
1	LED			1		Ø3		
Pos.	Name		Code	Pcs	Material	Dimensions	Remark	
		Free measure tolerance				Surface protection		
		Material				Drawing ID	Mass	Ratio 2:1
Assembly		Pcs						
				Date	Name	Signature	Name	
			Constr.				<b>LED EXPERIENCE FOR CONTACTS</b>	
			Draw					
			Review					
			Approve	29.07.14.	J. Ristić			
			 <b>ALING-CONEL GAJDOBRA</b>					
ax2	J. Ristić	20.11.14.						
Ch. ID	Changed by	Date	<div>Code <b>art.72181.11</b></div> <div>Substitute for:</div>					
			<div>Page</div> <div>Pages:</div>					


Obrazac PR-2.02-01/A4 Izdanje 1

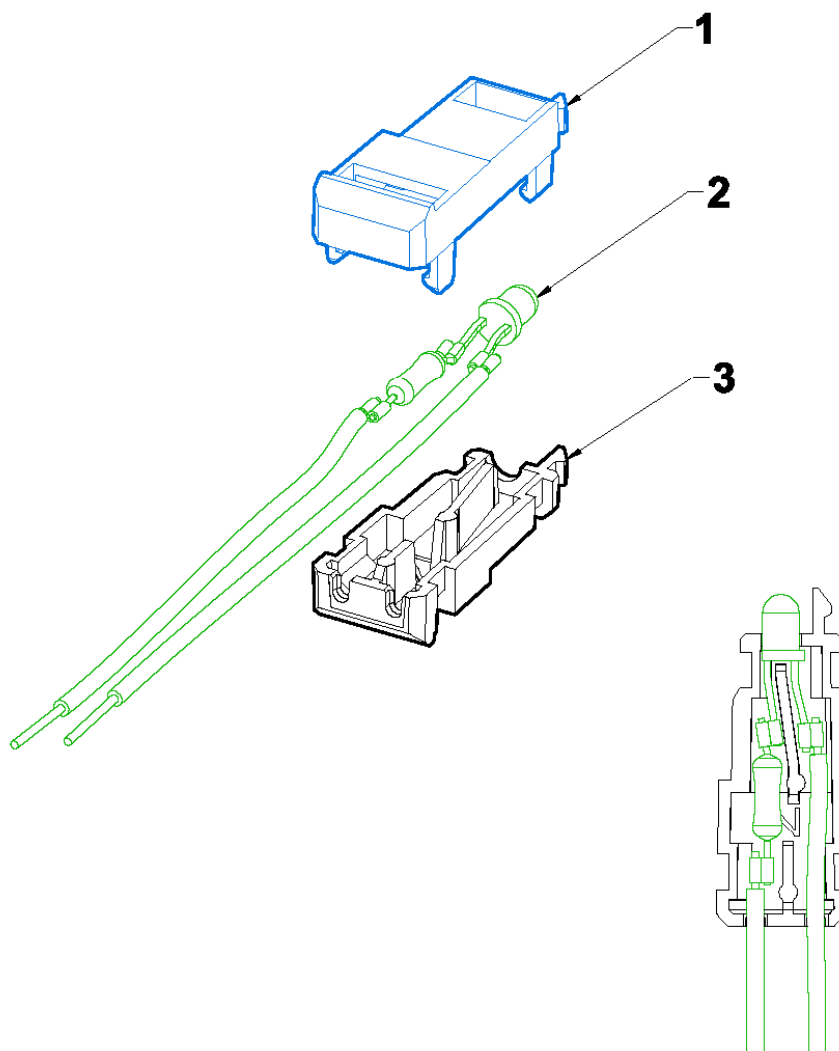


### RAZVIJENI OBLIK:



Obrazac PR.2.02-01/A4 Izdanje 1

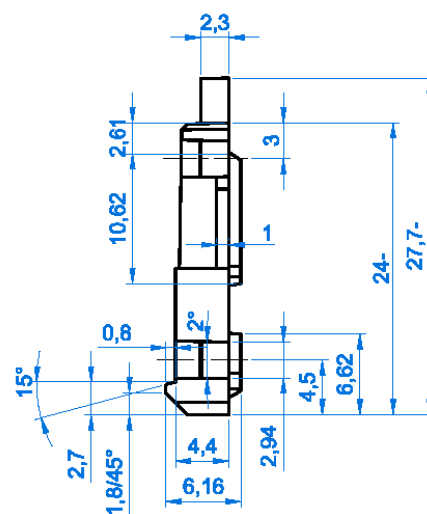
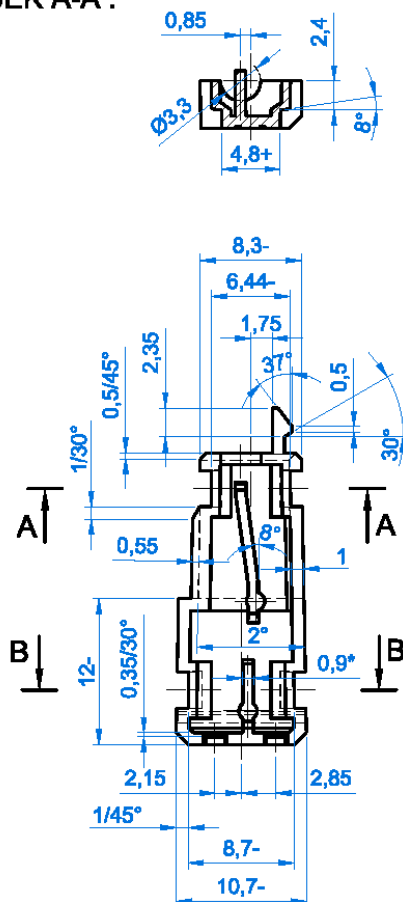
		Tolerancije slobodnih mera				Površinska zaštita		
		SRPS ISO 2768-c						
		Materijal				Identifikacioni broj		Masa
		CuSn6 R500 0,2x20						Razmera
Sklop		Kom					5:1	
			Konstr.	Datum	Ime	Potpis	Naziv	
			Crtao				<b>KONTAKT INDIKACIJE EXP</b>	
			Pregledao					
			Odobrio	02.12.14.	J. Ristić			
			 <b>ALING-CONEL GAJDOBRA</b>			Oznaka		List
						<b>art.72181.12</b>		Listova:
St. iz	Izmenio	Datum					Zamena za:	



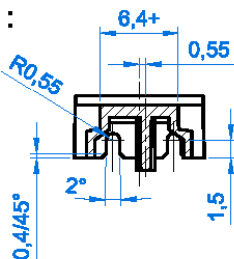
3	Kuč. Ind. sa prov. levo EXP	art.72182.02	1	PC			
2	LED za provodnike EXP	art.72182.03	1				
1	Kuč. ind. sa prov. desno EXP	art.72182.01	1	PC			
Poz.	Naziv	Oznaka	Kom.	Materijal	Dimenzije	Napomena	
		Tolerancije slobodnih mera			Površinska zaštita		
		Materijal			Identifikacioni broj	Masa	
Sklop	Kom					Razmera 2:1	
		Konstr.	Datum	Ime	Potpis	Naziv  <b>LED INDIKACIJA EXP SA PROVODNICIMA</b>	
		Crtao					
		Pregledao					
		Odobrio	15.01.15.	J. Ristić			
		 <b>ALING-CONEL GAJDOBRA</b>				Oznaka	
						<b>art.72182</b>	List
							Listova:
St. iz	Izmenio	Datum	Zamena za:				

Obrazac PR-2.02-01 Izdanje 1

## PRESEK A-A :

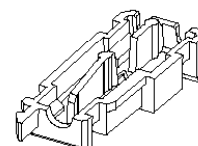


## PRESEK B-B :




## NAPOMENE:

- 1) \* -0.5°/strani
- 2) \*\* +0.5°/strani
- 3) - -1°/strani
- 4) + +1°/strani

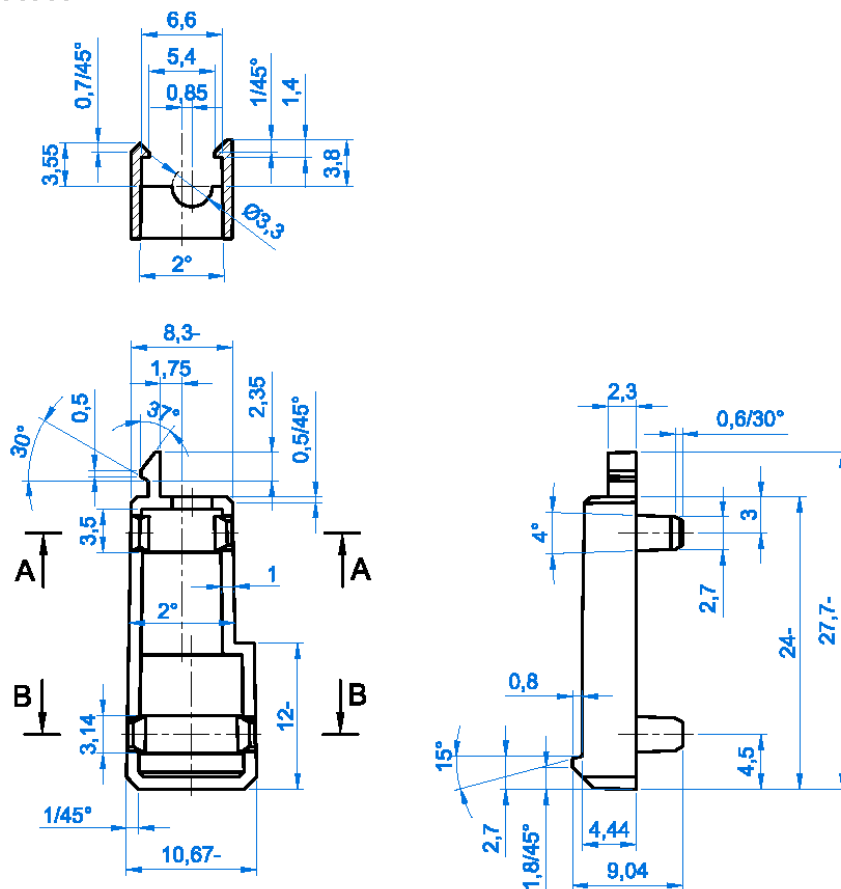


Obrazac PR.2.02-01/A4 Izdanje 1

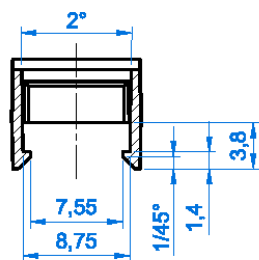
		Tolerancije slobodnih mera				Površinska zaštita			
		SRPS G.A1.500 E							
		Materijal				Identifikacioni broj		Masa	Razmera
Sklop		Kom		PC					2 : 1
				Datum	Ime	Potpis	Naziv		
			Konstr.				KUĆIŠTE INDIKACIJE SA PROV. DESNO EXP		
			Crtao	28.01.15.	B. Simonović				
			Pregledao		J. Ristić				
			Odobrio	02.02.15.	J. Ristić				
							Oznaka		List
				ALING-CONEL GAJDOBRA			art.72182.01		Listova:
							Zamena za:		
St. iz	Izmenio	Datum							


 ALING-CONEL  
GAJDOBRA

## PRESEK A-A :

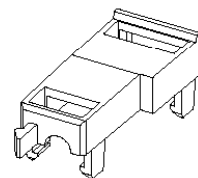


## PRESEK B-B :




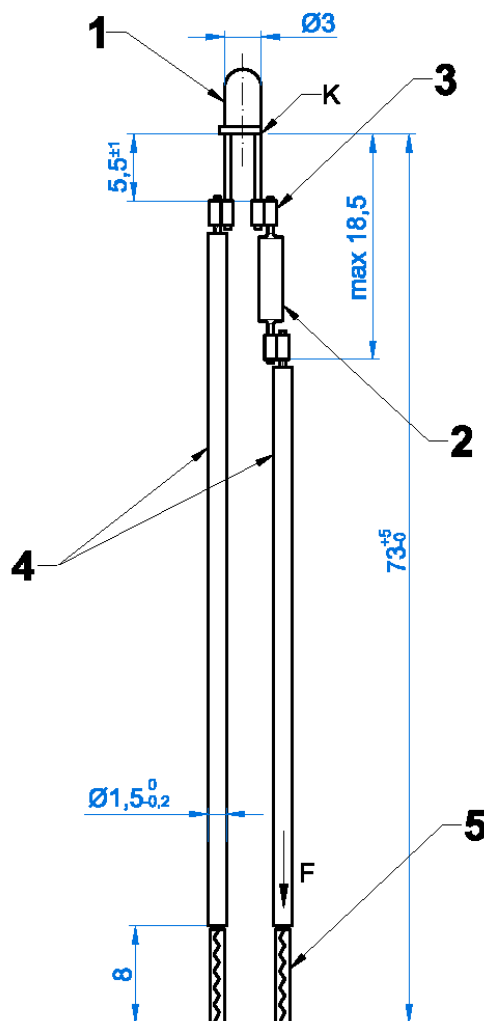
## NAPOMENE:

- 1) \* -0.5°/strani
- 2) \*\* +0.5°/strani
- 3) - -1°/strani
- 4) + +1°/strani



Obrazac PR-2.02-01/A4 Izdanje 1

		Tolerancije slobodnih mera				Površinska zaštita			
		SRPS G.A1.500 E							
		Materijal				Identifikacioni broj		Masa	Razmera
Sklop		Kom		PC					2 : 1
				Konstr.	Datum	Ime	Potpis	Naziv	
				Crtao	28.01.15.	B. Simonović		KUĆIŠTE INDIKACIJE SA PROV. LEVO EXP	
				Pregledao		J. Ristić			
				Odobrio	02.02.15.	J. Ristić			
						ALING-CONEL GAJDOBRA		Oznaka	
								art.72182.02	
								List	
								Listova:	
St. iz	Izmenio		Datum		Zamena za:				




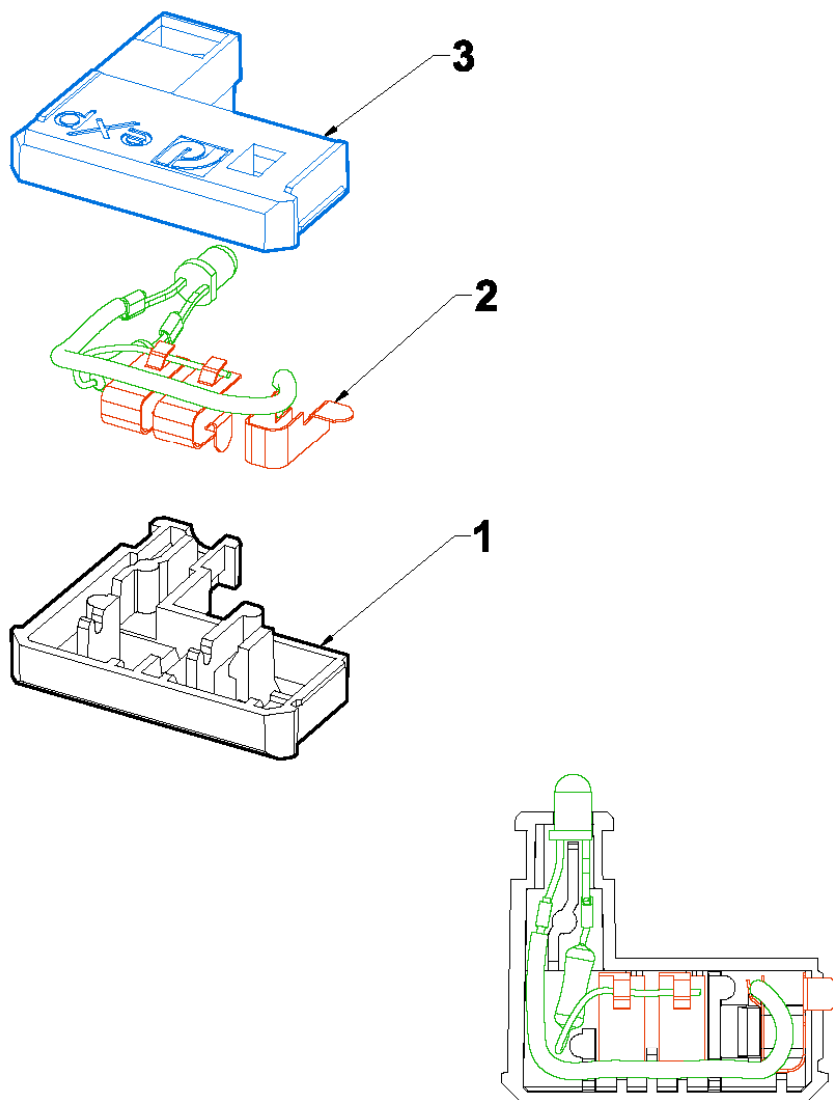
### TECHNICAL DATA FOR LED AND RESISTOR:

- Nominal voltage: 230V~ 50Hz
- Nominal effective current ~ 0.2 - 0.25 mA
- Colors: RED SUPERBRIGHT, BLUE, WHITE, GREEN

**REMARK:**

- Instead of clips alternatively can be applied soldering,
- Conductor must keep on drawing force (F) min 10N,
- (a) - Conductor insulation color must be same like LED color: red, blue, white, green

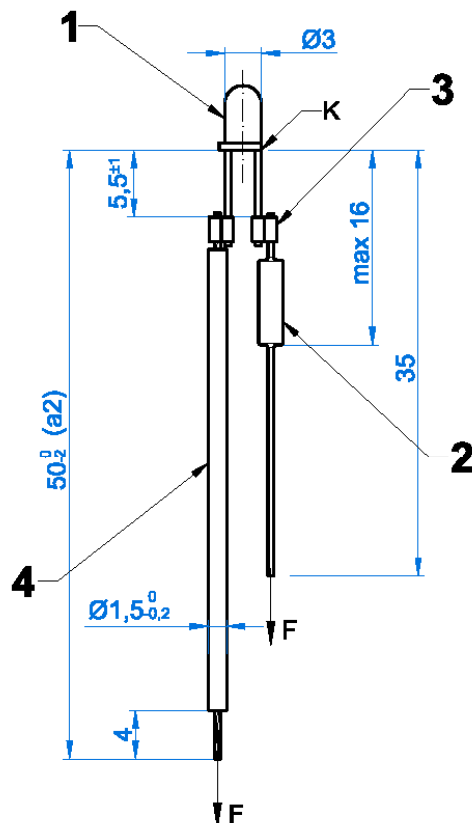
5	Wire terminal		2	CuZn				
4	Conductor		2	PVC flexible	AWG24	min 1000V		
3	Clip		2	CuZn				
2	Resistor	0,6W	1		max Ø2.8			
1	LED		1		Ø3			
Pos.	Name	Code	Pcs	Material	Dimensions	Remark		
		Free measure tolerance				Surface protection		
		Material				Drawing ID		
Assembly	Pcs				Mass	Ratio 2:1		
			Date	Name	Signature	Name		
		Constr.				LED EXPERIENCE FOR WIRES		
		Draw						
		Review						
		Approve	29.07.14.	J. Ristić				
			 ALING-CONEL GAJDOBRA			Code	art.72182.03	Page
ax1	J. Ristić	20.11.14.				Pages:		
Ch. ID	Changed by	Date						
						Substitute for:		



3	Kuč. ind. sa kont. levo EXP	art.72181.02	1	PC		
2	LED indikacija 24V sklop EXP	PSK.72183.1	1			
1	Kuč. Ind. sa kont. desno EXP	art.72181.01	1	PC		
Poz.	Naziv	Oznaka	Kom.	Materijal	Dimenzije	Napomena
		Tolerancije slobodnih mera			Površinska zaštita	
		Materijal			Identifikacioni broj	Masa
	Sklop	Kom				Razmera 2:1
		Konstr.	Datum	Ime	Potpis	Naziv  <b>LED INDIKACIJA 24V EXP SA KONTAKTIMA</b>
		Crtao				
		Pregledao				
		Odobrio	10.02.15.	J. Ristić		
St. iz	Izmenio	Datum				

Obrazac PR-2.02-01 Izdanje 1






#### TECHNICAL DATA FOR LED AND RESISTOR:

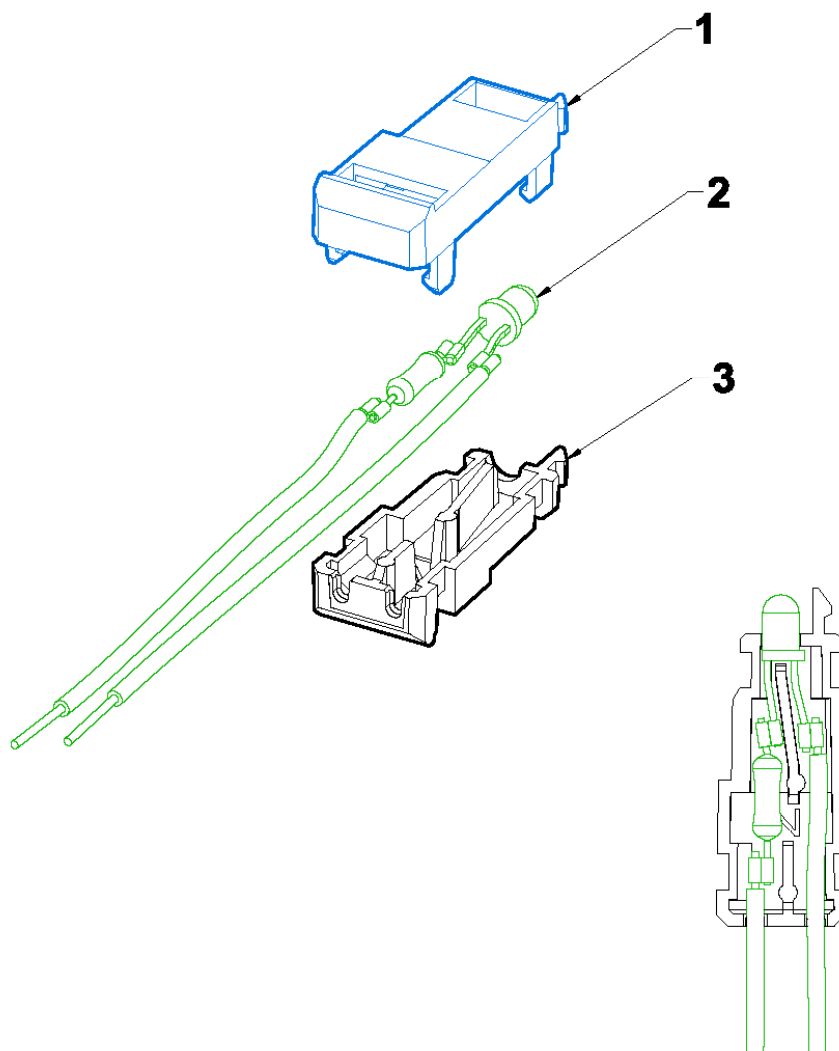
- Nominal voltage: 24V~ 50Hz
- Nominal effective current ~ 0.2 - 0.25 mA
- Colors: RED SUPERBRIGHT


#### REMARK:

- Instead of clips alternatively can be applied soldering,
- Conductor must keep on drawing force (F) min 10N,
- (a1) - Conductor insulation color must be same like LED color: red

4	Conductor		1	PVC flexible	AWG24	min 1000V	
3	Clip		2	CuZn			
2	Resistor	0,6W/ 15kohm	1		max Ø2.8		
1	LED		1		Ø3		
Pos.	Name	Code	Pcs	Material	Dimensions	Remark	
		Free measure tolerance			Surface protection		
		Material			Drawing ID	Mass	
Assembly	Pcs					Ratio 2:1	
			Date	Name	Signature	Name	
		Constr.				LED 24V EXPERIENCE FOR CONTACTS	
		Draw					
		Review					
		Approve	10.02.15.	J. Ristić			
			 ALING-CONEL GAJDOBRA			Code	Page
ax2	J. Ristić	20.11.14.				art.72183.11	
Ch. ID	Changed by	Date	Substitute for:				

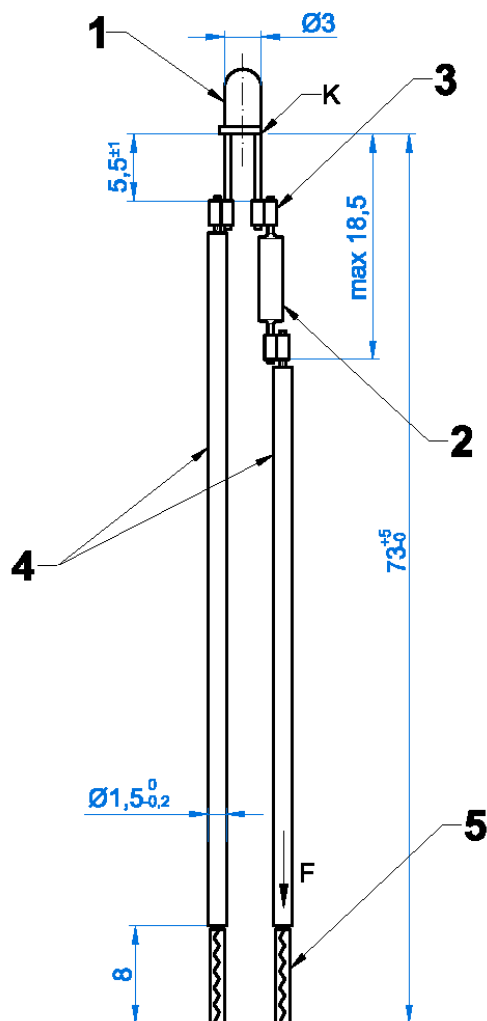
Obrazac PR.2.02-01/A4 Izdanje 1



3	Kuč. ind. sa prov. levo EXP	art.72182.02	1	PC		
2	LED 24V za provodnike EXP	art.72184.03	1			
1	Kuč. Ind. sa prov. desno EXP	art.72182.01	1	PC		
Poz.	Naziv	Oznaka	Kom.	Materijal	Dimenzije	Napomena
		Tolerancije slobodnih mera			Površinska zaštita	
		Materijal			Identifikacioni broj	Masa
Sklop	Kom					Razmera 2:1
					Naziv	
		Konstr.	Datum	Ime	Potpis	LED INDIKACIJA 24V EXP SA PROVODN.
		Crtao				
		Pregledao				
		Odobrio	10.02.15.	J. Ristić		
		 <b>ALING-CONEL GAJDOBRA</b>				Oznaka
St. iz	Izmenio	Datum				art.72184
						List Listova:
Zamena za:						

Obrazac PR-2.02-01 Izdanje 1


**ALING-CONEL  
GAJDOBRA**




### TECHNICAL DATA FOR LED AND RESISTOR:

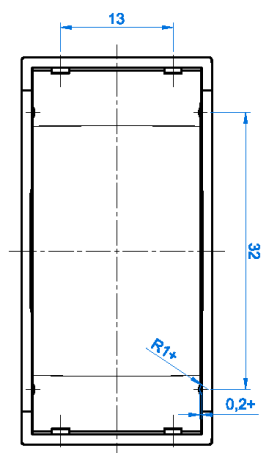
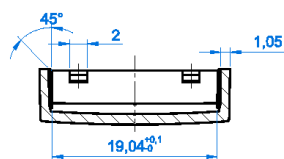
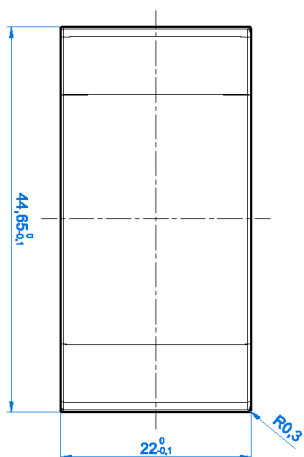
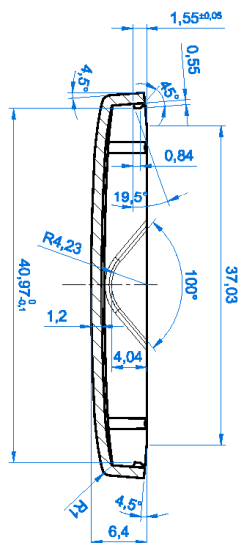
- Nominal voltage: 24V~ 50Hz
- Nominal effective current ~ 0.2 - 0.25 mA
- Colors: RED SUPERBRIGHT

## REMARK:

- Instead of clips alternatively can be applied soldering,
- Conductor must keep on drawing force (F) min 10N,
- (a) - Conductor insulation color must be same like LED color: red

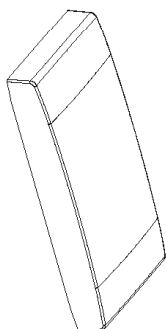
5	Wire terminal		2	CuZn				
4	Conductor		2	PVC flexible	AWG24	min 1000V		
3	Clip		2	CuZn				
2	Resistor	0,6W/ 15kohm	1		max Ø2.8			
1	LED		1		Ø3			
Pos.	Name	Code	Pcs	Material	Dimensions	Remark		
		Free measure tolerance			Surface protection			
		Material			Drawing ID	Mass		
Assembly	Pcs				Ratio 2:1			
			Date	Name	Signature	Name		
		Constr.				LED 24V EXPERIENCE FOR WIRES		
		Draw						
		Review						
		Approve	10.02.15.	J. Ristić				
			 ALING-CONEL GAJDOBRA			Code	art.72184.03	Page
ax1	J. Ristić	20.11.14.				Ch. ID		Changed by
Substitute for:								

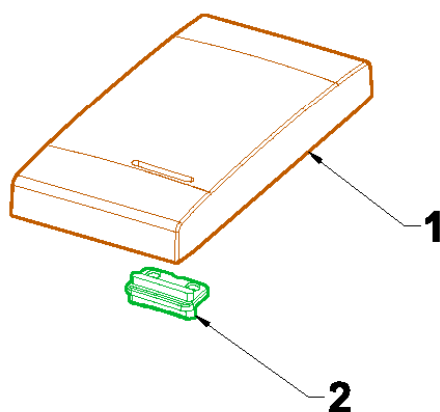
Obrazac PR.2.02-01/A3 Izdanie 1




### NAPOMENE:

- 1) \*-0,5°/strani
- 2) \*\* +0,5°/strani
- 3) - -1°/strani
- 4) + +1°/strani

[illegible]

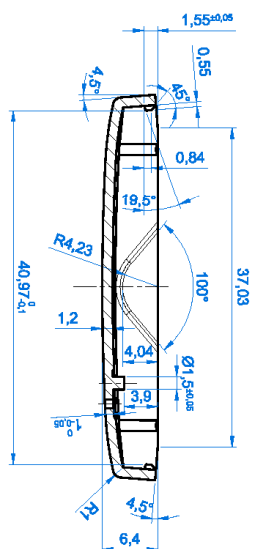


2	Sočivo tinjalice EXP	art.73201.02	1	PC			
1	Taster 1M EXP sa Indikac.	art.73201.01	1	PC			
Poz.	Naziv	Oznaka	Kom.	Materijal	Dimenzije	Napomena	
Tolerancije slobodnih mera				Površinska zaštita			
Materijal				Identifikacioni broj		Masa	
Sklop		Kom			Razmera		
			Datum	Ime	Potpis	Naziv	
		Konstr.				<b>TASTER EXP 1M SA INDIKACIJOM</b>	
		Crtao					
		Pregledao					
		Odobrio	09.05.14.	J. Ristić			
			 <b>ALING-CONEL GAJDOBRA</b>			Oznaka <b>art.73201</b>	List Listova:
St. iz	Izmenio	Datum				Zamena za:	

Obrazac PR.2.02-01 Izdanje 1

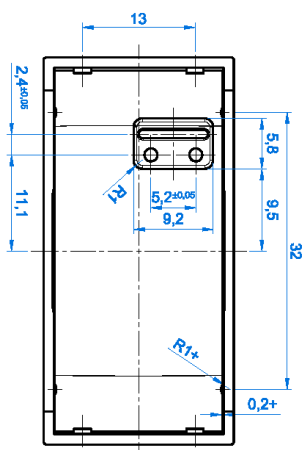
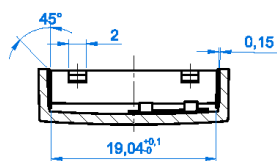
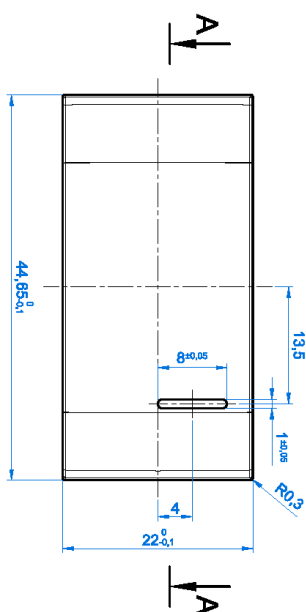
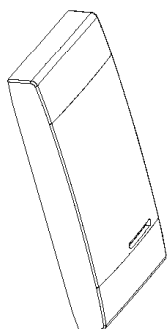
Obrazac PR.2.02-01/A3 Izdanie 1



**PRESEK A-A :**

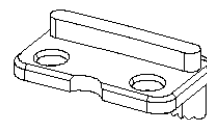
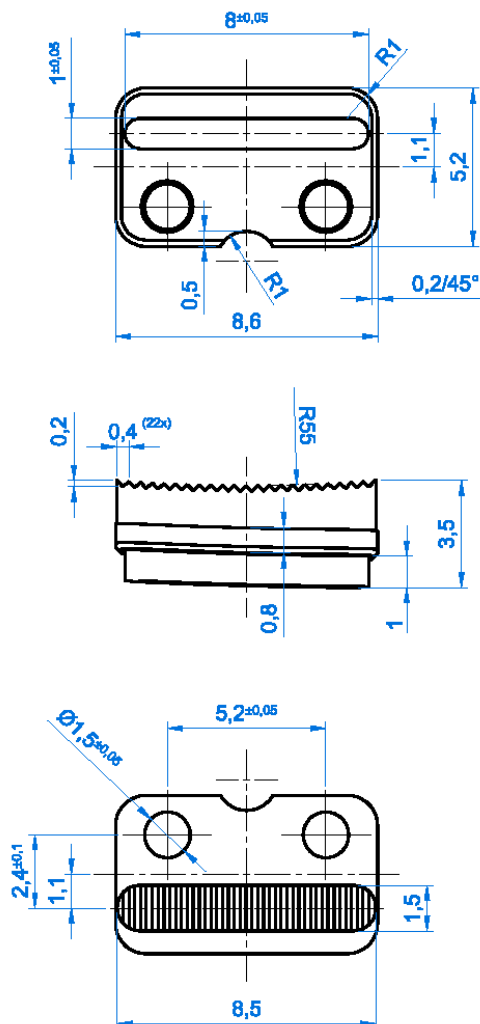


### NAPOMENE:


- 1) \*-0,5%/strani
- 2) \*\* +0,5%/strani
- 3) - -1%/strani
- 4) + +1%/strani

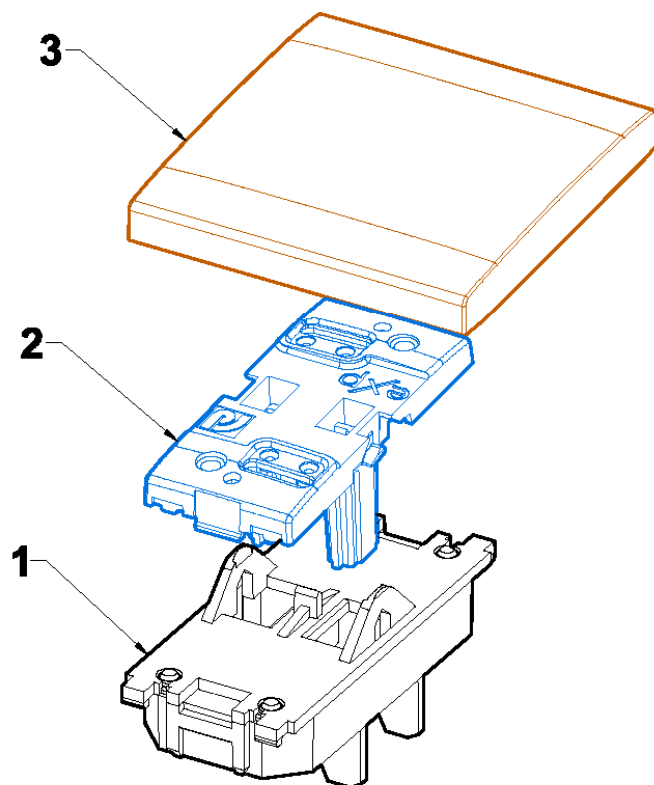



		Tolerancije sklopotnih mera						
		SRPS G.1.500 E						
		Materijal						
		ABS						
Sklop	Kom							
		Datum	Ime	Potpis				
	Komfir.	02.12.14.	B.Šimpronić					
	Čitao	J. Ristić						
	Progladio							
	Očeočno	15.01.15.	J. Ristić					
		 <b>ALING-CONEL</b> <b>GAJDOBRA</b>						
Str. 12	Izmešteno	Datum						
				<b>TAŠTER 1M INDIK.</b> <b>EXPERIENCE</b>				
		 <b>ALING-CONEL</b> <b>GAJDOBRA</b>		<b>art.73201.01</b>				
		Zamena zec.		Identifikacioni broj		Mera		Razmerna 2 : 1
				Naziv				
				Opis				
				List				
				Ispis				



Obrazac PR.2.02-01/A4 Izdanje 1

		Tolerancije slobodnih mera				Površinska zaštita		
		SRPS G.A1.500 E						
		Materijal				Identifikacioni broj		Masa
		PC transparent						Razmera
Sklop		Kom					5 : 1	
			Konstr.	Datum	Ime	Potpis	Naziv	
			Crtao	02.12.14.	B. Simonović		<b>SOČIVO TINJALICE EXPERIENCE</b>	
			Pregledao		J. Ristić			
			Odobrio	05.01.15.	J. Ristić			
			 <b>ALING-CONEL GAJDOBRA</b>			Oznaka		List
						<b>art.73201.02</b>		Listova:
St. iz	Izmenio	Datum					Zamena za:	



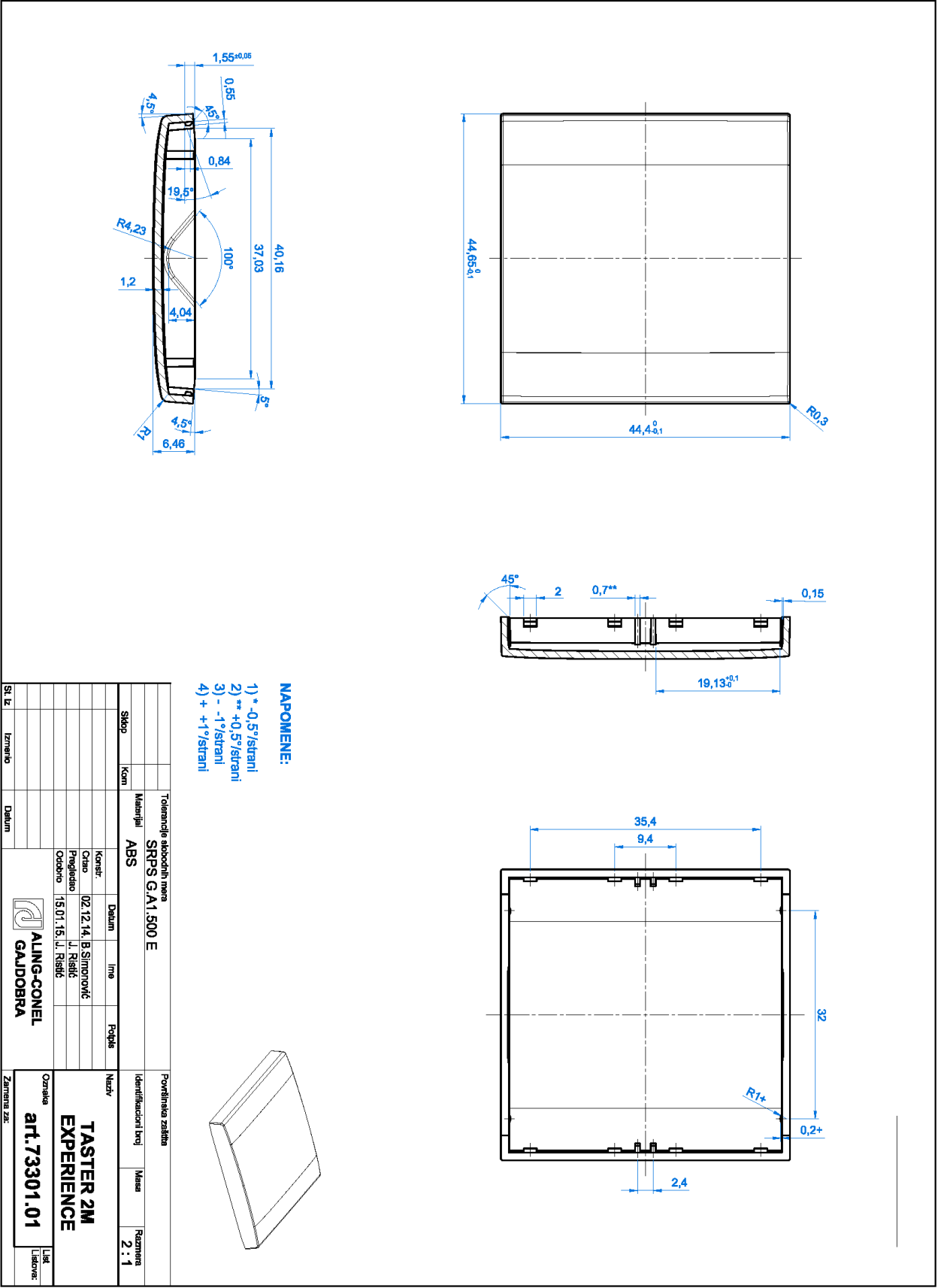
3	Taster 2M EXP bez Indikacije	art.73301.01	1	ABS		
2	Tipkalo jednopolno EXP	art.72101.21	1	PC		
1	Nosač tastera 2M sklop EXP	PSK.73301.1	1	PC		
Poz.	Naziv	Oznaka	Kom.	Materijal	Dimenzije	Napomena
		Tolerancije slobodnih mera			Površinska zaštita	
		Materijal			Identifikacioni broj	Masa
	Sklop	Kom				Razmera
					Naziv	
		Konstr.	Datum	Ime	Potpis	TASTER EXP 2M
		Crtao				
		Pregledao				
		Odobrio	09.05.14.	J. Ristić		
			 ALING-CONEL GAJDOBRA			Oznaka
					List	
St. iz	Izmenio	Datum			Listova:	
Zamena za:						

Obrazac PR-2.02-01 izdanje 1

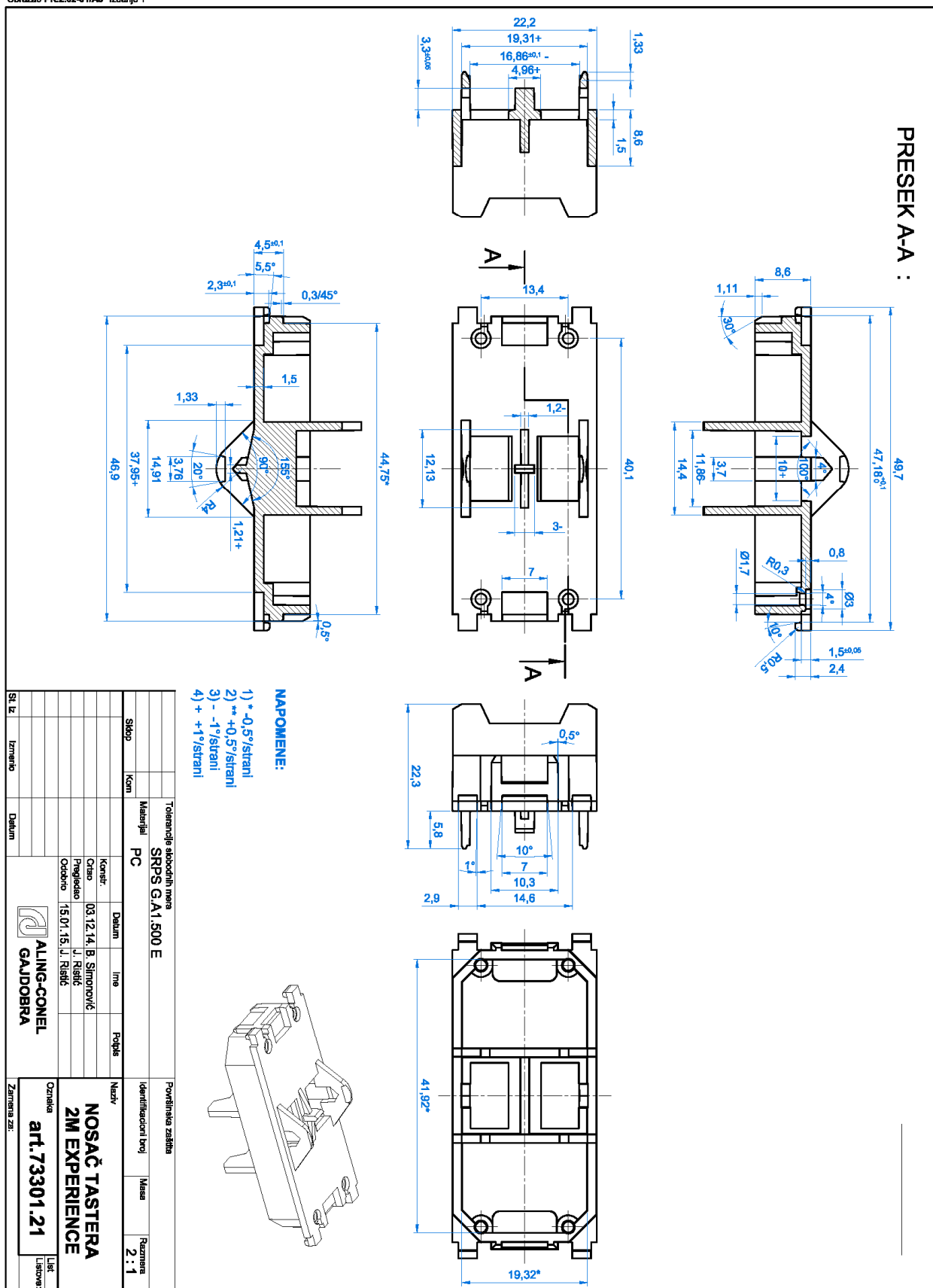

**ALING-CONEL  
GAJDOBRA**

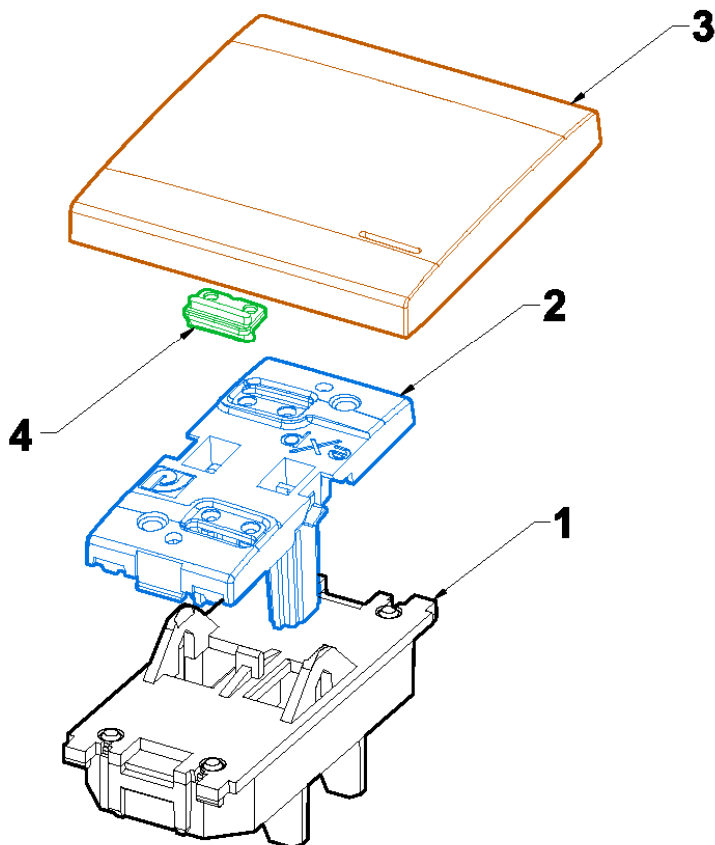



Obrazac PR.2.02-01/A3 Izdanje 1



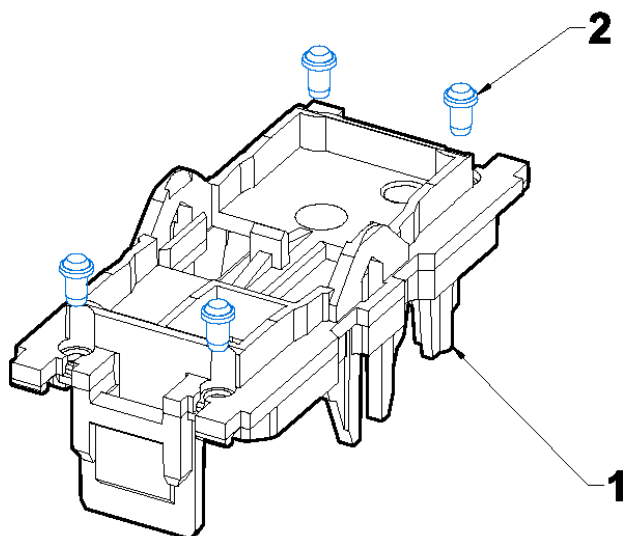
Obrazac PR.2.02-01/A3 Izdanje 1





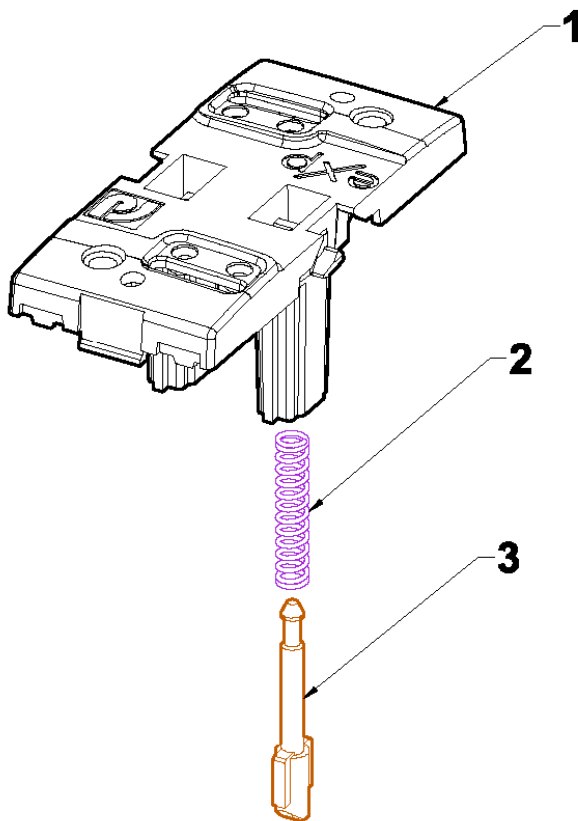
4	Sočivo tinjalice EXP	art.73201.02	1	PC transp.			
3	Taster 2M EXP sa Indikac.	art.73401.01	1	ABS			
2	Tipkalo jednopolno EXP	art.72101.21	1	PC			
1	Nosač tastera 2M sklop EXP	PSK.73301.1	1				
Poz.	Naziv	Oznaka	Kom.	Materijal	Dimenzije	Napomena	
		Tolerancije slobodnih mera			Površinska zaštita		
		Materijal			Identifikacioni broj	Masa	
	Sklop	Kom				Razmera	
			Datum	Ime	Potpis	Naziv	
		Konstr.				TASTER EXP 2M SA INDIKACIJOM	
		Crtao					
		Pregledao					
		Odobrio	09.05.14.	J. Ristić			
			 ALING-CONEL GAJDOBRA			Oznaka	Lst
						art.73401	Listova:
St. iz	Izmenio	Datum				Zamena za:	


Obrazac PR.2.02-01 izdanje 1



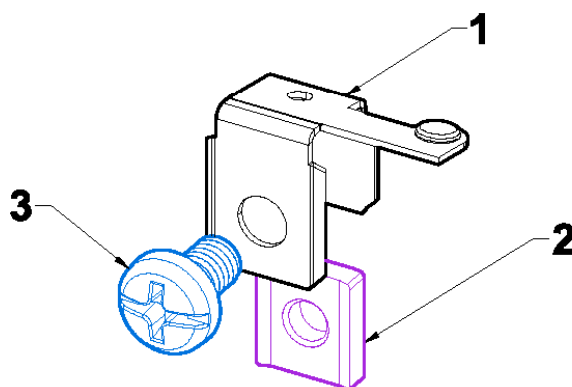
Obrazac PR.2.02-01 Izdanje 1


2	Amortizer tipkala EXP	art.72101.12	4	SEBS			
1	Poklopac sklopke EXP	art.72101.11	1	PC			
Poz.	Naziv	Oznaka	Kom.	Materijal	Dimenzije	Napomena	
		Tolerancije slobodnih mera			Površinska zaštita		
		Materijal			Identifikacioni broj	Masa	
						Razmera	
Sklop	Kom						
			Datum	Ime	Potpis	Naziv	
		Konstr.				<b>POKLOPAC SKLOPKE SKLOP EXP</b>	
		Crtao					
		Pregledao					
		Odobrio	09.05.14.	J. Ristić			
			<b>ALING-CONEL GAJDOBRA</b>			Oznaka	List
						<b>PSK.72101.1</b>	Listova:
St. iz	Izmenio	Datum					Zamena za:



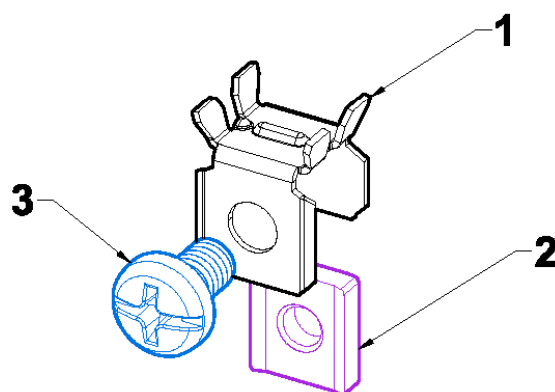
3	Klizač tipkala EXP	art.72101.22	1	PA6 GF		
2	Opruga tipkala 16A	art.619.33	1	DIN 2078C	Ø0,4	brunirano
1	Tipkalo Jednopolno EXP	art.72101.21	1	PC		
Poz.	Naziv	Oznaka	Kom.	Materijal	Dimenzije	Napomena
		Tolerancije slobodnih mera			Površinska zaštita	
		Materijal			Identifikacioni broj	Masa
	Sklop	Kom				Razmera
		Konstr.	Datum	Ime	Potpis	Naziv  <b>TIPKALO JEDNOPOL. SKLOP EXP</b>
		Crtao				
		Pregledao				
		Odobrio	09.05.14.	J. Ristić		
		 <b>ALING-CONEL GAJDOBRA</b>				Oznaka
St. iz	Izmenio	Datum	Zamena za:			List Listova:


Obrazac PR.2.02-01 izdanje 1



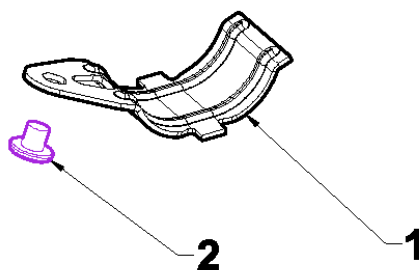
3	Vijak	JUS M.B1.115/118	1	5.8	M3,5x6	Zn
2	Navrtka kuplung spojke	art.406.10	1	DC 01	=1,8 x 40	gal Zn
1	Kont. nep. desni sa zak. EXP	PSK.72101.6	1			
Poz.	Naziv	Oznaka	Kom.	Materijal	Dimenzije	Napomena
		Tolerancije slobodnih mera			Površinska zaštita	
		Materijal			Identifikacioni broj	Masa
						Razmera
	Sklop	Kom				
				Datum	Ime	Potpis
			Konstr.			
			Crtao			
			Pregledao			
			Odobrio	09.05.14.	J. Ristić	
			 <b>ALING-CONEL GAJDOBRA</b>		<b>KONTAKT NEPOKR. DESNI SKLOP EXP</b>	
					Oznaka <b>PSK.72101.3</b>	List Listova:
St. iz	Izmenio	Datum	Zamena za:			

Obrazac PR.2.02-01 Izdanje 1



3	Vijak	JUS M.B1.115/118	1	5.8	M3,5x6	Zn
2	Navrtka kupluga	art.406.10	1	DC 01	=1,8 x 40	gal Zn
1	Nosač klackalice EXP	art. 72101.41	1	CuZn37.43	= 0,5 x 12,3	
Poz.	Naziv	Oznaka	Kom.	Materijal	Dimenzije	Napomena
		Tolerancije slobodnih mera			Površinska zaštita	
		Materijal			Identifikacioni broj	Masa
Sklop		Kom				Razmera
		Konstr.	Datum	Ime	Potpis	Naziv  <b>NOSAČ KLACKALICE SKLOP EXP</b>
		Crtao				
		Pregledao				
		Odobrio	09.05.14.	J. Ristić		
		 <b>ALING-CONEL GAJDOBRA</b>				Oznaka  <b>PSK.72101.4</b>
St. iz	Izmenio	Datum				List Listova:
Zamena za:						

Obrazac PR.2.02-01 izdanje 1

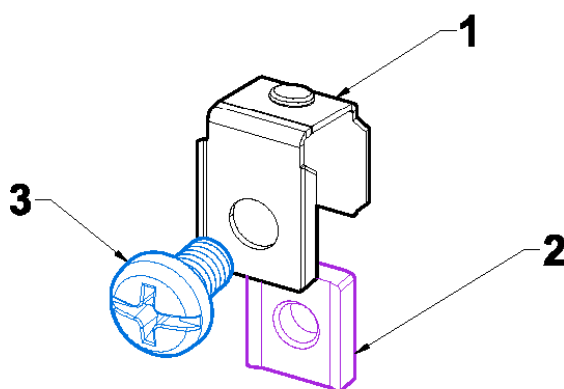



Obrazac PR-2.02-01 Izdanje 1

2	Bimetalna zakovica B3	B3x0,7x1,5	1	ECu+AgNi90/10		
1	Klackalica Jednopolna EXP	art.72101.51	1	CuZn37.45	= 0,5 x 24,5	
Poz.	Naziv	Oznaka	Kom.	Materijal	Dimenzije	Napomena
Tolerancije slobodnih mera				Površinska zaštita		
Materijal				Identifikacioni broj		
Sklop		Kom			Masa	Razmera
			Datum	Ime	Potpis	Naziv
		Konstr.				<b>KLACKALICA JEDNOP. SKLOP EXP</b>
		Crtao				
		Pregledao				
		Odobrio	09.05.14.	J. Ristić		
		<b>ALING-CONEL GAJDOBRA</b>			Oznaka	List
					<b>PSK.72101.5</b>	
St. iz	Izmenio	Datum	Zamena za:			

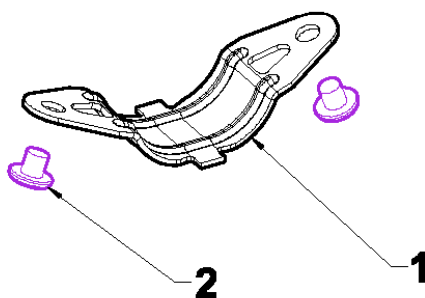







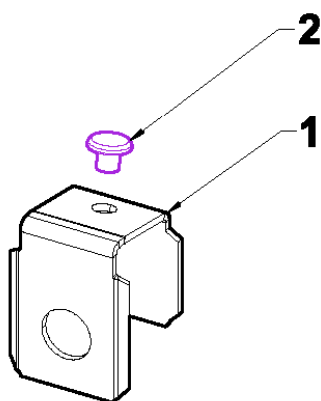
3	Vijak	JUS M.B1.115/118	1	5.8	M3,5x6	Zn
2	Navrtka kuplung spojke	art.406.10	1	DC 01	=1,8 x 40	gal Zn
1	Kont. nep. levi sa zak. EXP	PSK.72103.6	1			
Poz.	Naziv	Oznaka	Kom.	Materijal	Dimenzije	Napomena
		Tolerancije slobodnih mera			Površinska zaštita	
		Materijal			Identifikacioni broj	Masa
						Razmera
	Sklop	Kom				
			Konstr.	Datum	Ime	Potpis
			Crtao			
			Pregledao			
			Odobrio	09.05.14.	J. Ristić	
			 <b>ALING-CONEL GAJDOBRA</b>			Naziv
						<b>KONTAKT NEPOKR. LEVI SKLOP EXP</b>
						Oznaka
						<b>PSK.72103.3</b>
						List Listova:
St. iz	Izmenio	Datum	Zamena za:			

Obrazac PR-2.02-01 izdanje 1



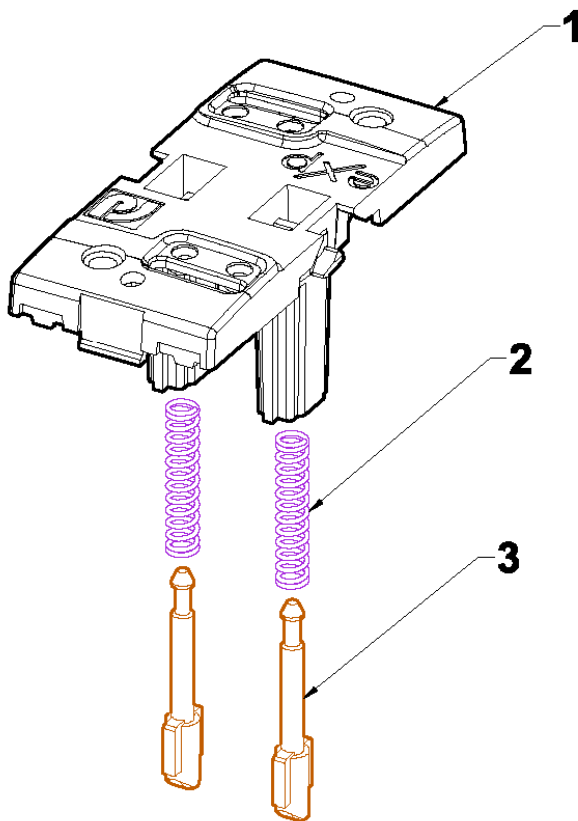
2	Bimetalna zakovica B3	B3x0,7x1,5	2	ECu+AgNi90/10		
1	Klackalica nalzmenična EXP	art.72103.51	1	CuZn37.45	= 0,5 x 30	
Poz.	Naziv	Oznaka	Kom.	Materijal	Dimenzije	Napomena
		Tolerancije slobodnih mera			Površinska zaštita	
		Materijal			Identifikacioni broj	Masa
						Razmera
	Sklop	Kom				
			Konstr.	Datum	Ime	Potpis
			Crtao			
			Pregledao			
			Odobrio	09.05.14.	J. Ristić	
			 <b>ALING-CONEL GAJDOBRA</b>			Naziv
						<b>KLACKALICA NAIZM. SKLOP EXP</b>
						Oznaka
						<b>art.72103.5</b>
						List Listova:
St. iz	Izmenio	Datum				Zamena za:


Obrazac PR.2.02-01 Izdanje 1



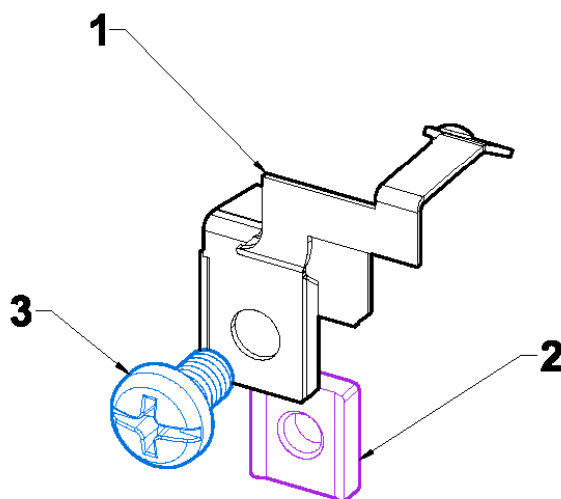
Obrazac PR.2.02-01 Izdanje 1


2	Bimetalna zakovica B3	B3x0,7x1,5	1	ECu+AgNi90/10			
1	Kont. nepokr. lev EXP	art.72103.61	1	CuZn37.43	= 0,5 x 8,9		
Poz.	Naziv	Oznaka	Kom.	Materijal	Dimenzije	Napomena	
Tolerancije slobodnih mera				Površinska zaštita			
Materijal				Identifikacioni broj			
Sklop		Kom	Masa				
			Razmera				
			Datum	Ime	Potpis	Naziv	
		Konstr.				<b>KONT. NEPOKR. LEVI SA ZAKOV. EXP</b>	
		Crtao					
		Pregledao					
		Odobrio	09.05.14.	J. Ristić			
			<b>ALING-CONEL GAJDOBRA</b>			Oznaka <b>PSK.72103.6</b>	List Listova:
St. iz	Izmenio	Datum	Zamena za:				



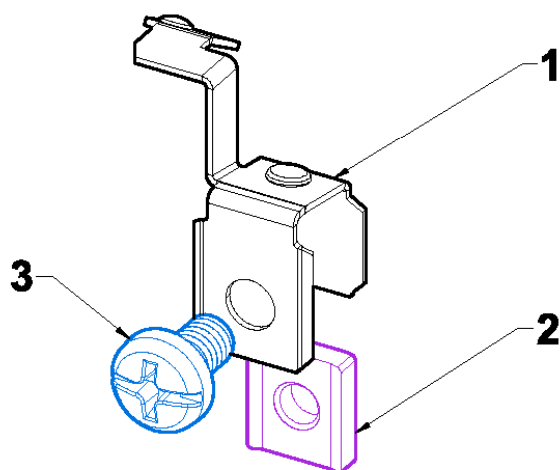
3	Klizač tipkala EXP	art.72101.22	2	PA6 GF			
2	Opruga tipkala 16A	art.619.33	2	DIN 2076C	Ø0,4	brunirano	
1	Tipkalo Jednopolno EXP	art.72101.21	1	PC			
Poz.	Naziv	Oznaka	Kom.	Materijal	Dimenzije	Napomena	
		Tolerancije slobodnih mera			Površinska zaštita		
		Materijal			Identifikacioni broj	Masa	
	Sklop	Kom				Razmera	
					Naziv		
		Konstr.			<b>TIPKALO UKRSNO SKLOP EXP</b>		
		Crtao					
		Pregledao					
		Odobrio	09.05.14.	J. Ristić			
		 <b>ALING-CONEL GAJDOBRA</b>			Oznaka	List	
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St. iz	Izmenio	Datum	Zamena za:				


Obrazac PR.2.02-01 Izdanje 1



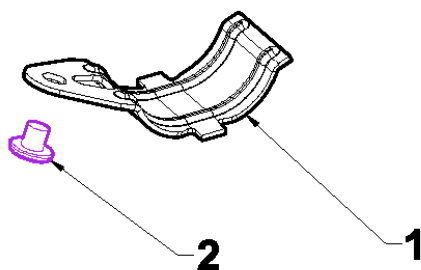
3	Vijak	JUS M.B1.115/118	1	5.8	M3,5x6	Zn
2	Navrtka kuplung spojke	art.406.10	1	DC 01	=1,8 x 40	gal Zn
1	Kont ukrsl des. sa zak. EXP	PSK.72104.6	1			
Poz.	Naziv	Oznaka	Kom.	Materijal	Dimenzije	Napomena
		Tolerancije slobodnih mera			Površinska zaštita	
		Materijal			Identifikacioni broj	Masa
						Razmera
	Sklop	Kom				
				Datum	Ime	Potpis
			Konstr.			
			Crtao			
			Pregledao			
			Odobrio	09.05.14.	J. Ristić	
			 <b>ALING-CONEL GAJDOBRA</b>		<b>Naziv</b> <b>KONT. UKRSNI DESNI SKLOP EXP</b>	
					<b>Oznaka</b> <b>PSK.72104.3</b>	<b>List</b> <b>Listova:</b>
St. iz	Izmenio	Datum				
				Zamena za:		

Obrazac PR.2.02-01 Izdanje 1



3	Vijak	JUS M.B1.115/118	1	5.8	M3,5x6	Zn		
2	Navrtka kuplung spojke	art.406.10	1	DC 01	=1,8 x 40	gal Zn		
1	Kont. ukrs. levl sa zak. EXP	PSK.72104.7	1					
Poz.	Naziv	Oznaka	Kom.	Materijal	Dimenzije	Napomena		
		Tolerancije slobodnih mera			Površinska zaštita			
		Materijal			Identifikacioni broj	Masa		
	Sklop	Kom				Razmera		
		Konstr.	Datum	Ime	Potpis	Naziv  <b>KONT. UKRSNI LEVI SKLOP EXP</b>		
		Crtao						
		Pregledao						
		Odobrio	09.05.14.	J. Ristić				
		 <b>ALING-CONEL GAJDOBRA</b>				Oznaka  <b>PSK.72104.4</b>		
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St. iz	Izmenio	Datum	Zamena za:					

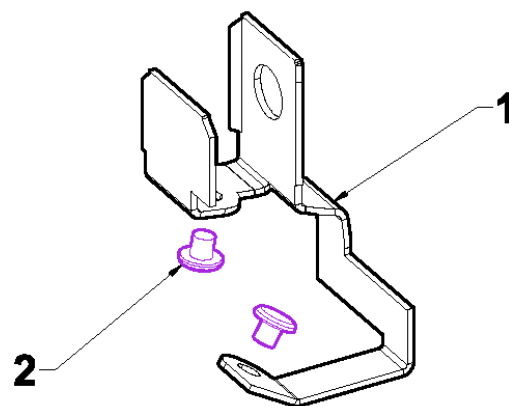
Obrazac PR.2.02-01 izdanje 1



Obrazac PR.2.02-01 Izdanje 1

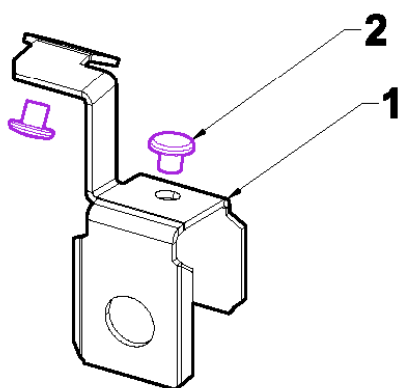
1	Srebrna zakovica 2,5	2,5x0,7x1,5	1	Ag 99,99%		
1	Klackalica jednopolna EXP	art.72101.51	1	CuZn37.45	= 0,5 x 24,5	
Poz.	Naziv	Oznaka	Kom.	Materijal	Dimenzije	Napomena
		Tolerancije slobodnih mera			Površinska zaštita	
		Materijal			Identifikacioni broj	Masa
						Razmera
Sklop	Kom					
			Datum	Ime	Potpis	Naziv
		Konstr.				<b>KLACKALICA UKRSNA SKLOP EXP</b>
		Crtao				
		Pregledao				
		Odobrio	09.05.14.	J. Ristić		
						Oznaka
						<b>PSK.72104.5</b>
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St. iz	Izmenio	Datum	<b>ALING-CONEL GAJDOBRA</b>			Zamena za:





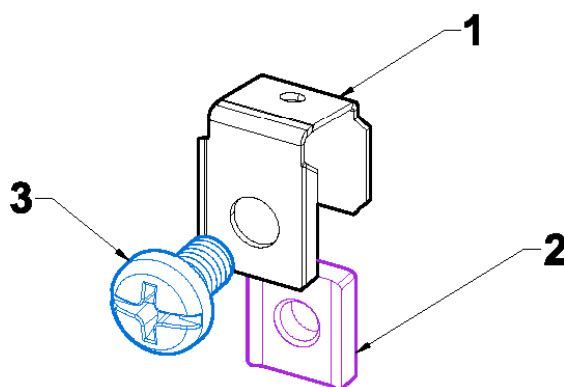
2	Bimetalna zakovica B3		B3x0,7x1,5		2	ECu+AgNi90/10						
1	Kontakt ukrslni desni EXP		art.72104.61		1	CuZn37.45		= 0,5 x 20				
Poz.	Naziv		Oznaka		Kom.	Materijal		Dimenzije		Napomena		
		Tolerancije slobodnih mera						Površinska zaštita				
		Materijal						Identifikacioni broj		Masa	Razmera	
	Sklop	Kom										
				Datum	Ime	Potpis	Naziv					
			Konstr.				<b>KONT. UKRSNI DESNI SA ZAKOVICOM EXP</b>					
			Crtao									
			Pregledao									
			Odobrio	09.05.14.	J. Ristić							
			 <b>ALING-CONEL GAJDOBRA</b>				Oznaka		List			
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St. iz	Izmenio	Datum					Zamena za:					


Obrazac PR.2.02-01 Izdanje 1



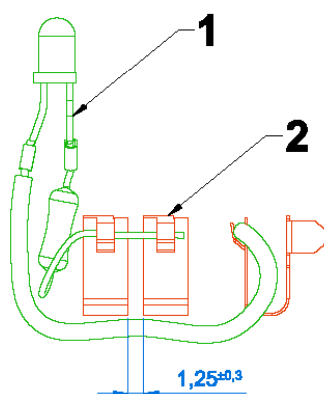
Obrazac PR.2.02-01 Izdanje 1

2	Bimetalna zakovica B3	B3x0,7x1,5	2	ECu+AgNi90/10			
1	Kontakt ukrsni levi EXP	art.72104.71	1	CuZn37.45	= 0,5 x 28		
Poz.	Naziv	Oznaka	Kom.	Materijal	Dimenzije	Napomena	
Tolerancije slobodnih mera				Površinska zaštita			
Materijal				Identifikacioni broj			
Sklop		Kom	Masa				
Sklop		Kom	Razmera				
			Datum	Ime	Potpis	Naziv	
		Konstr.				<b>KONT. UKRSNI LEVI SA ZAKOVICOM</b>	
		Crtao					
		Pregledao					
		Odobrio	09.05.14.	J. Ristić			
			<b>ALING-CONEL GAJDOBRA</b>			Oznaka <b>PSK.72104.7</b>	List Listova:
St. iz	Izmenio	Datum	Zamena za:				



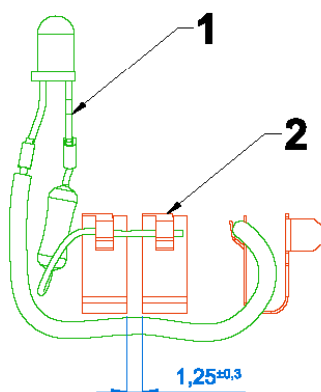
3	Vijak	JUS M.B1.115/118	1	5.8	M3,5x6	Zn
2	Navrtka kuplung spojke	art.406.10	1	DC 01	=1,8 x 40	gal Zn
1	Kont. nepokr. levi EXP	art.72103.61	1	CuZn37.45	= 0,5 x 8,9	
Poz.	Naziv	Oznaka	Kom.	Materijal	Dimenzije	Napomena
		Tolerancije slobodnih mera			Površinska zaštita	
		Materijal			Identifikacioni broj	Masa
	Sklop	Kom				Razmera
		Konstr.	Datum	Ime	Potpis	Naziv  <b>KONTAKT NULE SKLOP EXP</b>
		Crtao				
		Pregledao				
		Odobrio	09.05.14.	J. Ristić		
		 <b>ALING-CONEL GAJDOBRA</b>				Oznaka
St. iz	Izmenio	Datum	Zamena za:			List Listova:

Obrazac PR.2.02-01 izdanje 1



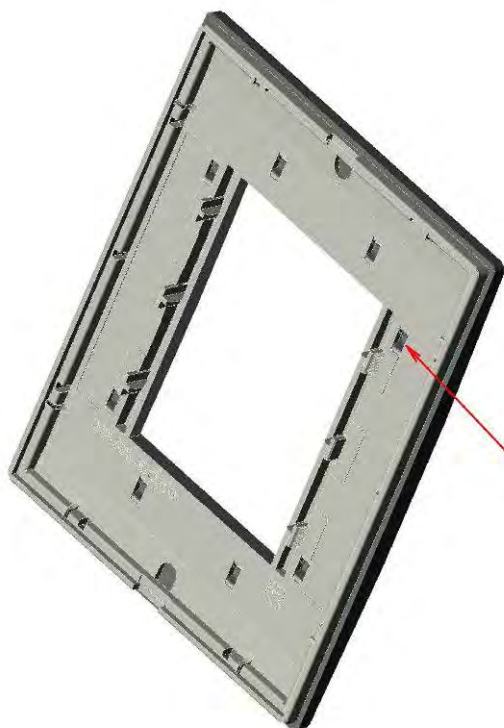
Obrazac PR-2.02-01 Izdanje 1

2	Kontakt indikacije EXP	art.72181.12	3	CuSn6 R500	0,2 x 20		
1	LED za kontakte EXP	art.72181.11	1				
Poz.	Naziv	Oznaka	Kom.	Materijal	Dimenzije	Napomena	
		Tolerancije slobodnih mera			Površinska zaštita		
		Materijal			Identifikacioni broj	Masa	
Sklop	Kom					Razmera 2:1	
			Datum	Ime	Potpis	Naziv	
		Konstr.				<b>LED SA KONTAKTIMA SKLOP EXP</b>	
		Crtao					
		Pregledao					
		Odobrio	15.01.15.	J. Ristić			
			<b>ALING-CONEL GAJDOBRA</b>			Oznaka <b>PSK.72181.1</b>	Lst Listova:
St. iz	Izmenio	Datum				Zamena za:	

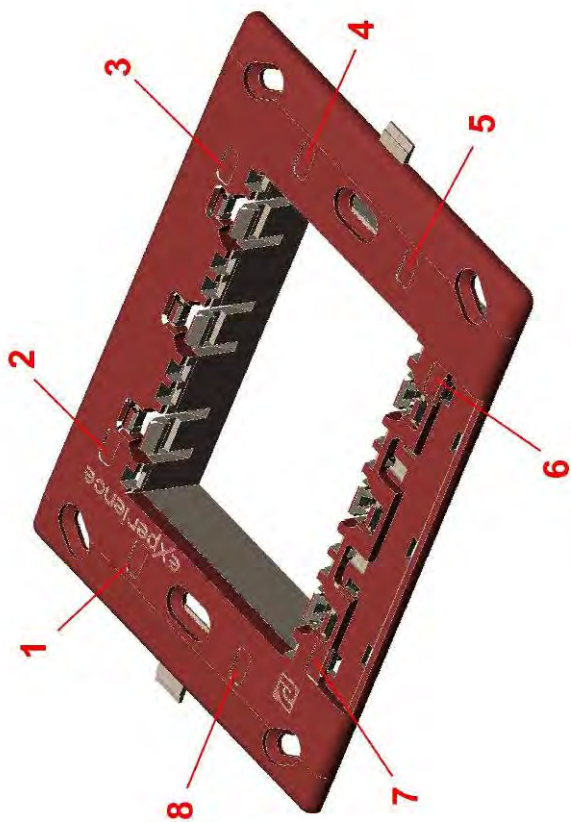


2	Kontakt indikacije EXP	art.72181.12	3	CuSn6 R500	0,2 x 20	
1	LED 24V za kontakte EXP	art.72183.11	1			
Poz.	Naziv	Oznaka	Kom.	Materijal	Dimenzije	Napomena
Tolerancije slobodnih mera				Površinska zaštita		
Materijal				Identifikacioni broj	Masa	Razmera 2:1
Sklop	Kom					
			Datum	Ime	Potpis	Naziv
		Konstr.				<b>LED 24V SA KONTAKT. SKLOP EXP</b>
		Crtao				
		Pregledao				
		Odobrio	10.02.15.	J. Ristić		
			 <b>ALING-CONEL GAJDOBRA</b>			Oznaka
St. iz	Izmenio	Datum				<b>PSK.72183.1</b>
						List Listova:
						Zamena za:

Obrazac PR.2.02-01 Izdanje 1



**MESTO SPAJANJA METALNE MASKE  
SA PLASTIČNIM NOSAČEM  
(PERTLOVANO)**



**1 - 8  
MESTA GDE METALNI PERTLOVANI DEO  
DODIRUJE PRIRUBNICU**



 **ALING CONEL**



ISKUSTVO U KOJE VERUJETE  
**experience**  
YOU TRUST



**ALING CONEL**

Od 1984. kvalitet i pouzdanost su glavni prioriteti u kompaniji Aling-Conel. To se najbolje odnosi na proizvodnju i usluge. Dugogodišnje iskustvo i bogata proizvodna ponudila su nam da postanemo regionalni lider i pouzdan partner našim klijentima. Since 1984, quality and reliability are the top priorities of the company Aling-Conel. This applies equally to products and services. Many years of experience and numerous awards have enabled us to become a regional leader and reliable partner to our customers.

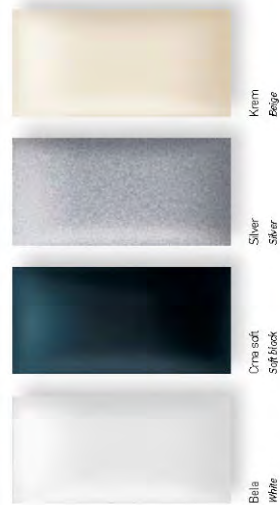


DIZAJN OBLIKUJE NAŠ SVET  
**experience**  
DESIGN SHAPES OUR WORLD



Dizajnirani da zadovolje najviše sigurnosne standarde i proizvedeni prema najvišim materijalnim i tehnološkim standardima, naši prekidači omogućuju izražavanje osobenog stila kućanstva i svom domu. Utemeljena elegancija ogleda se u geometriji oblika, a smele kombinacije boja svakom zidu daju izuzetno elegantan izgled. Modelni elementi uređuju se u 4 boje.

Designed to meet the highest safety standards and manufactured from the finest materials, our switches offer the opportunity to express personal style of every customer. The ultimate elegance is reflected in the geometry of shapes and daring color combinations will give to any wall a dose of extravagance. Model elements are shown in 4 colors.



VRLO IZRAŽAJAN - VEOMA IMPRESIVAN - NEŽAN NA DODIR  
VERY EXPRESSIVE - VERY IMPRESSIVE - A GENTLE TOUCH

## TEHNIČKE PREDNOSTI experience TECHNICAL ADVANTAGES

### UNIVERZALNA INSTALACIJA

Ugrađivači u montažne kutije 040 uz pomoć vijaka ili zavrtnja. Montažni program kutije  
Program Experience se na ovaj način može upotrijebiti kod adaptacije postojećih  
instalacija bez upotrebe novih montažnih kutija.

### UNIVERSAL INSTALL

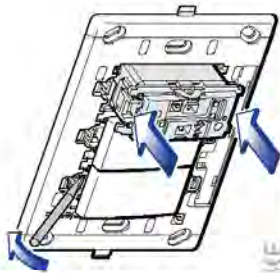
Ugrađivači se ugrađuju bez pomoći vijaka ili zavrtnja. Montažni program kutije  
The modular Experience in this way can be installed in adaptation of existing  
installations without installing of new perforated mounting boxes.

### MODULARNA INSTALACIJA

Za sklopove 3 ili više modula obezbjeđene su posebne montažne  
kutije na koje se priključni vodiči pomoću vijaka  
Montažne kutije mogu biti sa punim i sa čuvenim zidom.

### MODULAR INSTALL

For the assembly of 3 or more modules we are providing  
special mounting boxes where mounting frame is installed  
by screws. Mounting boxes are supplied with full and half  
frame. Mounting boxes are made for full and half frame.



### SKLOPIKE

Experience sklopove su lako ugrađivati u postojeće  
zavrtnjima ili pomoću vijaka. Montažni program kutije  
nak od postojećih instalacija.

Ugrađivači se ugrađuju bez pomoći vijaka ili zavrtnja. Montažni program kutije  
The modular Experience in this way can be installed in adaptation of existing  
installations without installing of new perforated mounting boxes.

Ugrađivači se ugrađuju bez pomoći vijaka ili zavrtnja. Montažni program kutije  
The modular Experience in this way can be installed in adaptation of existing  
installations without installing of new perforated mounting boxes.



### PRIKLJUČNICE

Experience priključnice su lako ugrađivati u postojeće  
zavrtnjima ili pomoću vijaka. Montažni program kutije  
nak od postojećih instalacija.

Ugrađivači se ugrađuju bez pomoći vijaka ili zavrtnja. Montažni program kutije  
The modular Experience in this way can be installed in adaptation of existing  
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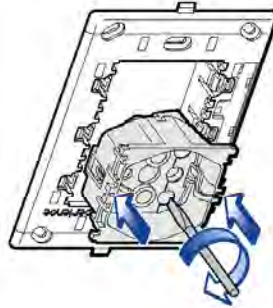
### SWITCHES

Experience switches are easily installed in existing  
screws or by using screws. Mounting program of boxes  
can be used for adaptation of existing installations.

Ugrađivači se ugrađuju bez pomoći vijaka ili zavrtnja. Montažni program kutije  
The modular Experience in this way can be installed in adaptation of existing  
installations without installing of new perforated mounting boxes.

Ugrađivači se ugrađuju bez pomoći vijaka ili zavrtnja. Montažni program kutije  
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installations without installing of new perforated mounting boxes.

Ugrađivači se ugrađuju bez pomoći vijaka ili zavrtnja. Montažni program kutije  
The modular Experience in this way can be installed in adaptation of existing  
installations without installing of new perforated mounting boxes.



### SOCKET OUTLETS

Experience socket outlets are easily installed in existing  
screws or by using screws. Mounting program of boxes  
can be used for adaptation of existing installations.

Ugrađivači se ugrađuju bez pomoći vijaka ili zavrtnja. Montažni program kutije  
The modular Experience in this way can be installed in adaptation of existing  
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Ugrađivači se ugrađuju bez pomoći vijaka ili zavrtnja. Montažni program kutije  
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The modular Experience in this way can be installed in adaptation of existing  
installations without installing of new perforated mounting boxes.

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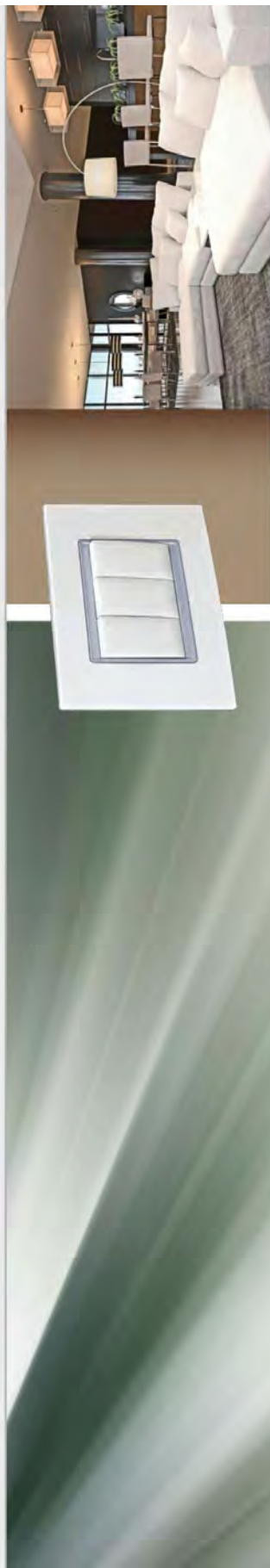


TRI OSNOVNA PROGRAMA  
**experience**  
THREE MAIN PROGRAMS

**BASIC**

BASIC karakterizira ultimativna elegancija i tamne kombinacije kontrastna svetlost i tamne detaljni uređaji.  
U BASIC liniji tri su osnovne boje maske: bela, crna i silver. Svaka maska dolazi u 3 kontinentalnoj nosača maske.

BASIC reflects the ultimate elegance and high contrast of light and dark colors complemented  
with silver touch. Each mask comes in 3 different combinations with mask holder.



## COLOR

COLOR grupu proizvoda čini 16 maski, podijeljenih u razigrani i dotirni pod nazivom VIVID, metalik efekat i pod nazivom METALLIC i rezine i dotirni SOFT TOUCH.

COLOR consists of 16 cover frames divided into playful colors named VIVID, metallic effect called METALLIC and tender on touch called SOFT TOUCH.



Linija VIVID sastoji se od 4 pastelne boje sa belim nosačem maske (osidlo). Ova je grupa satek, pastelne i metalne boje, sa belim nosačem maske (osidlo) i belim nosačem maske (osidlo).

VIVID line has 4 pastel colors with white mask holder. This is a group of pastel and metallic colors, with white mask holder and white mask holder.



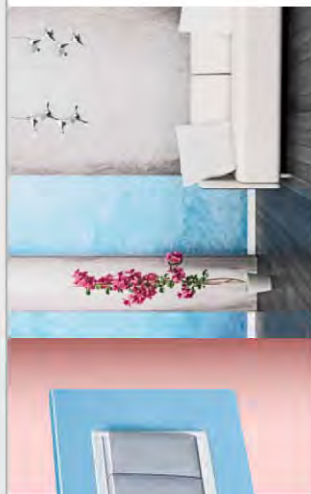
Linija METALLIC sastoji se od 7 metalik boja sa belim nosačem maske (osidlo). Ova je grupa satek, metalne boje, sa belim nosačem maske (osidlo) i belim nosačem maske (osidlo).

METALLIC line consists of 7 metallic colors with the same shade of mask holder (metallic). This is a group of metallic colors, with white mask holder and white mask holder.



Linija SOFT TOUCH čine 2 serije boje sive i plave i sivi saudi orna. Navedeno je sive i plave boje sa sivi saudi orna i sivi saudi orna.

SOFT TOUCH line has 2 colors grey and soft touch black. The mask holder is grey and soft touch black. The mask holder is grey and soft touch black.



## EXCLUSIVE

EXCLUSIVE grupu maske proizvedena je od prirodnih materijala i podijeljena je na maske izrađene od prirodnog drveta WOOD, sofisticirane maske izrađene od stakla GLASS i robustne maske izrađene od metala METAL. Sve maske u EXCLUSIVE grupi izrađuju se sa crnim nosačem maske.

EXCLUSIVE group masks is made of natural materials and is divided into 3 mask made of natural wood, sophisticated masks made of glass and robust mask made of metal. All the masks EXCLUSIVE group are made with black mask carrier.



Linija WOOD čine četiri elegantne pune drvene maske: wenge, orah, freska i javor.

WOOD line is made of natural wood and consists of four elegant cover frames: wenge, oak, cherry and maple.



Linija GLASS sastoji se od dve staklene maske u boji: koral i kristal bela.

GLASS line is made of colored glass and consists of two shiny colors: coral and crystal white.



Linija METAL čine dve maske od metala: titanijum i antik zlatna.

METAL line is made of metal and has two colors: titanium and antique gold.

SADRŽAJ KATALOGA  
**experience**  
THE CATALOG CONTENT

16	SKLOPKE SWITCHES
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20	SKLOPKE ZA KURATILLO BATHROOM SWITCHES
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experience



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- Zanimljivo: izdelek je sklopka s svetlobo
- Zanimljivo: izdelek je sklopka s svetlobo
- Za indikator svetla: svetlobo
- Za indikator svetla: svetlobo

- Izdelek je sklopka s svetlobo
- Izdelek je sklopka s svetlobo
- Izdelek je sklopka s svetlobo
- Izdelek je sklopka s svetlobo



ALING CONEL

experience  
TASTER!  
SWITCH BUTTONS

[illegible][illegible]



## experience

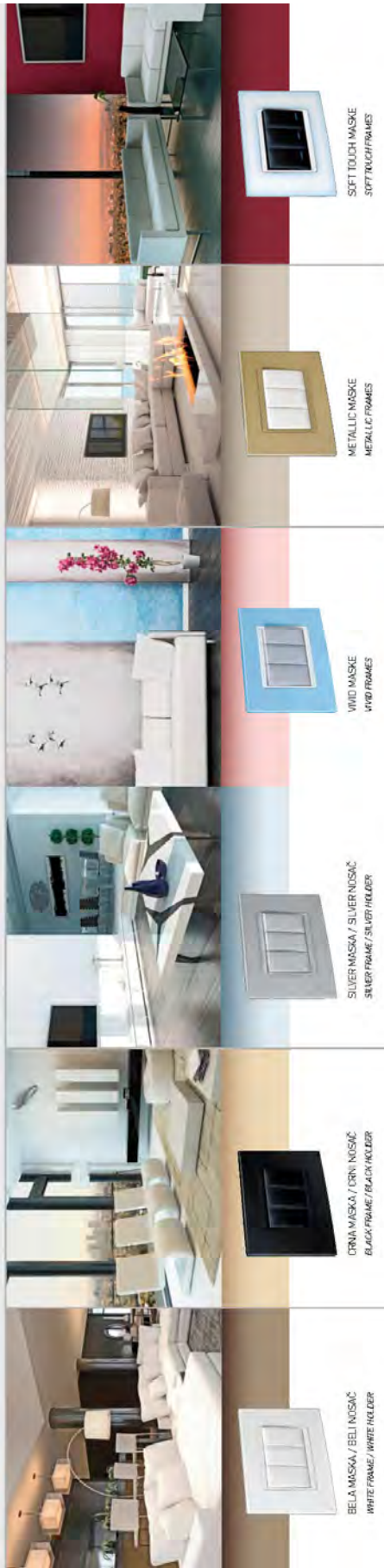
### DEKORATIVNE MASKE DECORATIVE FRAMES

#### BASIC

Raznovrstnost programa Experience, pored brojnih funkcionalnih modula, ogleda se i u izuzetno velikoj ponudi dekorativnih maski. Podeljene su u tri osnovne grupe: BASIC, COLOR, EXCLUSIVE, u zavisnosti od boja i materijala koji su korišćeni pri izradi. Raznolikost boja i veličina kombinacija program Experience omogućava stvaranje idealne i za Vašu kuću i za Vašu modernu, eksterijernu i unutrašnju enterijer.

Diversity of Experience, among numerous functional modules, reflects in very large offer of decorative masks. Divided into three main groups: BASIC, COLOR and EXCLUSIVE, depending on the colors and materials. The variety of colors and a large number of combinations, makes Experience the perfect door on the wall for traditional as well for the modern and contemporary interiors.

#### COLOR



#### EXCLUSIVE



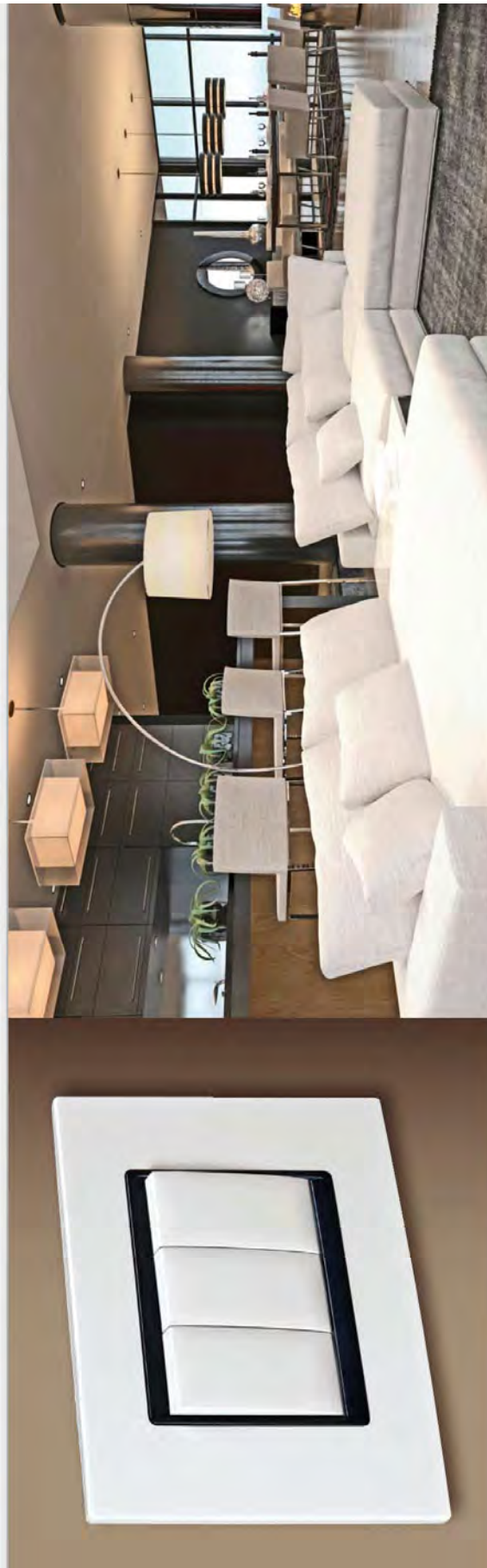


**experience**  
**BASIC**  
**BELA / WHITE**

Ultimativna elegancija i prozračnost  
ogledaju se u geometriji oblika i  
odrazu površina i stvaraju novu  
dimenziju stila.


Ultimative elegance and lightness are  
reflected in the geometry of shapes  
and glossy surface. To create a new  
dimension of style.

**ALING CONEL**



**70101.00**

Maska 1M EXP  
BASIC, bela sa  
belim nosačem  
Cover frame 1M EXP  
BASIC, white with  
white holder




• Za pokrivanje slizice  
sa belim nosačem  
• Ugradnja na nosaču  
pridržava udišnog  
aparata

• For covering the assembly  
with the module  
• Installation onto the mounting  
frame by pressing

97,6 ± 0,1 mm

**70102.00**

Maska 2M EXP  
BASIC, bela sa  
belim nosačem  
Cover frame 2M EXP  
BASIC, white with  
white holder




• For covering the assembly  
with the module  
• Installation onto the mounting  
frame by pressing

97,6 ± 0,1 mm

**70103.00**

Maska 3M EXP  
BASIC, bela sa  
belim nosačem  
Cover frame 3M EXP  
BASIC, white with  
white holder




• For covering the assembly  
with the module  
• Installation onto the mounting  
frame by pressing

120 ± 0,1 mm

**70104.00**

Maska 4M EXP  
BASIC, bela sa  
belim nosačem  
Cover frame 4M EXP  
BASIC, white with  
white holder




• For covering the assembly  
with the module  
• Installation onto the mounting  
frame by pressing

142,6 ± 0,1 mm

**70106.00**

Maska 6M EXP  
BASIC, bela sa  
belim nosačem  
Cover frame 6M EXP  
BASIC, white with  
white holder




• For covering the assembly  
with the module  
• Installation onto the mounting  
frame by pressing

182,2 ± 0,1 mm

**70107.00**

Maska 7M EXP  
BASIC, bela sa  
belim nosačem  
Cover frame 7M EXP  
BASIC, white with  
white holder




• For covering the assembly  
with the module  
• Installation onto the mounting  
frame by pressing

209,6 ± 0,1 mm

**70122.00**

Maska 2x2M EXP BASIC,  
horizontalna, bela sa  
belim nosačem  
Cover frame 2x2M EXP  
BASIC, horizontal,  
white with white holder




• For covering the  
assembly with the  
module horizontally  
• Installation onto  
the mounting frame  
by pressing

166 ± 0,1 mm

**70123.00**

Maska 2x3M EXP  
BASIC, bela sa  
belim nosačem  
Cover frame 2x3M  
EXP BASIC, white with  
white holder




• For covering the  
assembly with the  
module horizontally  
• Installation onto the  
mounting frame by  
pressing

216,2 ± 0,1 mm

**70142.00**

Maska 3x2M EXP BASIC,  
vertikalna, bela sa  
belim nosačem  
Cover frame 3x2M EXP  
BASIC, vertical,  
white with white holder




• Za pokrivanje izlaza  
sa belim nosačem  
• Ugradnja na nosaču  
pridržava udišnog  
aparata

• For covering the assembly  
with the module  
• Installation onto the mounting  
frame by pressing

97,6 ± 0,1 mm

**70142.00**

Maska 3x2M  
EXP BASIC,  
vertikalna, bela sa  
belim nosačem  
Cover frame 3x2M  
EXP BASIC, vertical,  
white with  
white holder



• Za pokrivanje izlaza  
sa belim nosačem  
• Ugradnja na nosaču  
pridržava udišnog  
aparata

• For covering the assembly  
with the module  
• Installation onto the mounting  
frame by pressing

97,6 ± 0,1 mm

TRF No. IEC60669\_1D



<p><b>70101.0E</b> Maska 1M EXP BASIC, bela sa crnim nosačem Cover frame 1M EXP BASIC, white with black holder</p> <p>• Za polnjenje sklopke sa crnim nosačem • Ugradnja na nosaču pribitku u obliku prstena</p> <p>• For connecting the assembly with the module • Installation onto the mounting bracket by pressing</p> <p>97,6 ± 0,3 mm</p>	<p><b>70102.0E</b> Maska 2M EXP BASIC, bela sa crnim nosačem Cover frame 2M EXP BASIC, white with black holder</p> <p>• Za polnjenje sklopke sa crnim nosačem • Ugradnja na nosaču pribitku u obliku prstena</p> <p>• For connecting the assembly with the module • Installation onto the mounting bracket by pressing</p> <p>97,6 ± 0,3 mm</p>	<p><b>70103.0E</b> Maska 3M EXP BASIC, bela sa crnim nosačem Cover frame 3M EXP BASIC, white with black holder</p> <p>• Za polnjenje sklopke sa crnim nosačem • Ugradnja na nosaču pribitku u obliku prstena</p> <p>• For connecting the assembly with the module • Installation onto the mounting bracket by pressing</p> <p>120 ± 0,3 mm</p>	<p><b>70104.0E</b> Maska 4M EXP BASIC, bela sa crnim nosačem Cover frame 4M EXP BASIC, white with black holder</p> <p>• Za polnjenje sklopke sa crnim nosačem • Ugradnja na nosaču pribitku u obliku prstena</p> <p>• For connecting the assembly with the module • Installation onto the mounting bracket by pressing</p> <p>142,5 ± 0,3 mm</p>
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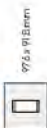




**70101.05**  
Maska 1M EXP  
BASIC, bela sa  
silver nosačem  
Cover frame 1M EXP  
BASIC, white with  
silver holder

- Za pokrivanje sklopke sa istim modulom
- Ugradnja na nosaču priključu užišnog tipa

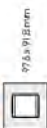
- For covering the assembly with the module
- Installation onto the mounting frame by pressing



**70102.05**  
Maska 2M EXP  
BASIC, bela sa  
silver nosačem  
Cover frame 2M EXP  
BASIC, white with  
silver holder

- Za pokrivanje sklopke sa istim modulom
- Ugradnja na nosaču priključu užišnog tipa

- For covering the assembly with the module
- Installation onto the mounting frame by pressing



**70123.05**  
Maska 2/3M EXP  
BASIC, bela sa  
silver nosačem  
Cover frame 2/3M  
EXP BASIC, white with  
silver holder

- Za pokrivanje sklopke sa istim modulom
- Ugradnja na nosaču priključu užišnog tipa

- For covering the assembly with the module
- Installation onto the mounting frame by pressing



**70103.05**  
Maska 3M EXP  
BASIC, bela sa  
silver nosačem  
Cover frame 3M EXP  
BASIC, white with  
silver holder

- Za pokrivanje sklopke sa istim modulom
- Ugradnja na nosaču priključu užišnog tipa

- For covering the assembly with the module
- Installation onto the mounting frame by pressing



**70104.05**  
Maska 4M EXP  
BASIC, bela sa  
silver nosačem  
Cover frame 4M EXP  
BASIC, white with  
silver holder

- Za pokrivanje sklopke sa istim modulom
- Ugradnja na nosaču priključu užišnog tipa

- For covering the assembly with the module
- Installation onto the mounting frame by pressing



**70142.05**

Maska 3/2M EXP BASIC, vertikalna, bela sa silver nosačem  
Cover frame 3/2M EXP BASIC, vertical, white with silver holder

- Za pokrivanje sklopke sa istim modulom u vertikalnom položaju
- Ugradnja na nosaču priključu užišnog tipa

- For covering the assembly with the module in vertical position
- Installation onto the mounting frame by pressing

97.6 x 233.8 mm

**70122.05**

Maska 2/2M EXP BASIC, horizontalna, bela sa silver nosačem  
Cover frame 2/2M EXP BASIC, horizontal, white with silver holder

- Za pokrivanje sklopke sa istim modulom u horizontalnom položaju
- Ugradnja na nosaču priključu užišnog tipa

- For covering the assembly with the module in horizontal position
- Installation onto the mounting frame by pressing



**70132.05**

Maska 3/2M EXP BASIC, horizontalna, bela sa silver nosačem  
Cover frame 3/2M EXP BASIC, horizontal, white with silver holder

- Za pokrivanje sklopke sa istim modulom u horizontalnom položaju
- Ugradnja na nosaču priključu užišnog tipa

- For covering the assembly with the module in horizontal position
- Installation onto the mounting frame by pressing



**70106.05**

Maska 4M EXP BASIC, bela sa silver nosačem  
Cover frame 4M EXP BASIC, white with silver holder

- Za pokrivanje sklopke sa istim modulom
- Ugradnja na nosaču priključu užišnog tipa

- For covering the assembly with the module
- Installation onto the mounting frame by pressing



**70107.05**

Maska 2M EXP BASIC, bela sa silver nosačem  
Cover frame 2M EXP BASIC, white with silver holder

- Za pokrivanje sklopke sa istim modulom
- Ugradnja na nosaču priključu užišnog tipa

- For covering the assembly with the module
- Installation onto the mounting frame by pressing



**experience**  
**BASIC**  
**CRNA / BLACK**


Snaga crne boje ogleda se u snužim kombinacijama koje će Vašem prostoru dati dozu elegancije  
*Power of black reflects in strong combinations that will give your space a dose of elegance*

**ALING CONEL**




### 70101.EE

Maska 1M EXP  
BASIC, crna sa  
crnim nosačem  
Cover frame 1M EXP  
BASIC, black with  
black holder



- Za polivanje u slopu sa drugim modulima
- Ugradnja na nosaču priključu u slopu sa drugim modulima
- Fiksiranje maski pomoću nosača
- Instalacija maski pomoću nosača
- Fiksiranje maski pomoću nosača


976 x 918 mm



976 x 918 mm


### 70102.EE

Maska 2M EXP  
BASIC, crna sa  
crnim nosačem  
Cover frame 2M EXP  
BASIC, black with  
black holder



- Za polivanje u slopu sa drugim modulima
- Ugradnja na nosaču priključu u slopu sa drugim modulima
- Fiksiranje maski pomoću nosača
- Instalacija maski pomoću nosača
- Fiksiranje maski pomoću nosača


976 x 918 mm



976 x 918 mm


### 70103.EE

Maska 3M EXP  
BASIC, crna sa  
crnim nosačem  
Cover frame 3M EXP  
BASIC, black with  
black holder



- Za polivanje u slopu sa drugim modulima
- Ugradnja na nosaču priključu u slopu sa drugim modulima
- Fiksiranje maski pomoću nosača
- Instalacija maski pomoću nosača
- Fiksiranje maski pomoću nosača


120 x 918 mm



120 x 918 mm


### 70104.EE

Maska 4M EXP  
BASIC, crna sa  
crnim nosačem  
Cover frame 4M EXP  
BASIC, black with  
black holder



- Za polivanje u slopu sa drugim modulima
- Ugradnja na nosaču priključu u slopu sa drugim modulima
- Fiksiranje maski pomoću nosača
- Instalacija maski pomoću nosača
- Fiksiranje maski pomoću nosača


142 x 918 mm



142 x 918 mm


### 70106.EE

Maska 6M EXP  
BASIC, crna sa  
crnim nosačem  
Cover frame 6M EXP  
BASIC, black with  
black holder



- Za polivanje u slopu sa drugim modulima
- Ugradnja na nosaču priključu u slopu sa drugim modulima
- Fiksiranje maski pomoću nosača
- Instalacija maski pomoću nosača
- Fiksiranje maski pomoću nosača


1872 x 918 mm



1872 x 918 mm


### 70107.EE

Maska 7M EXP  
BASIC, crna sa  
crnim nosačem  
Cover frame 7M EXP  
BASIC, black with  
black holder



- Za polivanje u slopu sa drugim modulima
- Ugradnja na nosaču priključu u slopu sa drugim modulima
- Fiksiranje maski pomoću nosača
- Instalacija maski pomoću nosača
- Fiksiranje maski pomoću nosača


2076 x 918 mm



2076 x 918 mm


### 70132.EE

Maska 32M EXP  
BASIC, crna sa  
crnim nosačem  
Cover frame 32M EXP  
BASIC, black with  
black holder



- Za polivanje u slopu sa drugim modulima
- Ugradnja na nosaču priključu u slopu sa drugim modulima
- Fiksiranje maski pomoću nosača
- Instalacija maski pomoću nosača
- Fiksiranje maski pomoću nosača


2012 x 918 mm



2012 x 918 mm


### 70122.EE

Maska 22M EXP BASIC,  
horizontalna, crna sa  
crnim nosačem  
Cover frame 22M EXP  
BASIC, horizontal,  
black with black holder



- Za polivanje u slopu sa drugim modulima
- Ugradnja na nosaču priključu u slopu sa drugim modulima
- Fiksiranje maski pomoću nosača
- Instalacija maski pomoću nosača
- Fiksiranje maski pomoću nosača


1872 x 918 mm



1872 x 918 mm


### 70142.EE

Maska 42M EXP BASIC,  
verticalna, crna sa  
crnim nosačem  
Cover frame 42M EXP  
BASIC, vertical,  
black with black holder



- Za polivanje u slopu sa drugim modulima
- Ugradnja na nosaču priključu u slopu sa drugim modulima
- Fiksiranje maski pomoću nosača
- Instalacija maski pomoću nosača
- Fiksiranje maski pomoću nosača


976 x 1835 mm



976 x 1835 mm


### 70142.EE

Maska 42M EXP BASIC,  
verticalna, crna sa  
crnim nosačem  
Cover frame 42M EXP  
BASIC, vertical,  
black with black holder



- Za polivanje u slopu sa drugim modulima
- Ugradnja na nosaču priključu u slopu sa drugim modulima
- Fiksiranje maski pomoću nosača
- Instalacija maski pomoću nosača
- Fiksiranje maski pomoću nosača

976 x 1835 mm



976 x 1835 mm





- Za polnjenje slika sa belim nosačem
- Ugradnja nosača priključakom na priključak
- Montaža nosača na priključak
- Montaža nosača na priključak



97,5 x 91,8 mm

**70101.E0**  
Maska 1M EXP  
BASIC, crna sa belim nosačem  
Cover frame 1M EXP  
BASIC, black with white holder



- Za polnjenje slika sa belim nosačem
- Ugradnja nosača priključakom na priključak
- Montaža nosača na priključak
- Montaža nosača na priključak



97,5 x 91,8 mm

**70102.E0**  
Maska 2M EXP  
BASIC, crna sa belim nosačem  
Cover frame 2M EXP  
BASIC, black with white holder



- Za polnjenje slika sa belim nosačem
- Ugradnja nosača priključakom na priključak
- Montaža nosača na priključak
- Montaža nosača na priključak



120 x 91,8 mm

**70103.E0**  
Maska 2/3M EXP  
BASIC, crna sa belim nosačem  
Cover frame 2/3M EXP  
BASIC, black with white holder



- Za polnjenje slika sa belim nosačem
- Ugradnja nosača priključakom na priključak
- Montaža nosača na priključak
- Montaža nosača na priključak



120 x 91,8 mm

**70103.E0**  
Maska 3M EXP  
BASIC, crna sa belim nosačem  
Cover frame 3M EXP  
BASIC, black with white holder



- Za polnjenje slika sa belim nosačem
- Ugradnja nosača priključakom na priključak
- Montaža nosača na priključak
- Montaža nosača na priključak



142,4 x 91,8 mm

**70104.E0**  
Maska 4M EXP  
BASIC, crna sa belim nosačem  
Cover frame 4M EXP  
BASIC, black with white holder



- Za polnjenje slika sa belim nosačem
- Ugradnja nosača priključakom na priključak
- Montaža nosača na priključak
- Montaža nosača na priključak

**70142.E0**  
Maska 3/2M EXP BASIC, crna sa belim nosačem  
Cover frame 3/2M EXP BASIC, black with white holder



97,5 x 182,8 mm

**70142.E0**  
Maska 3/2M EXP BASIC, crna sa belim nosačem  
Cover frame 3/2M EXP BASIC, black with white holder



97,5 x 230,8 mm

- Za polnjenje slika sa belim nosačem
- Ugradnja nosača priključakom na priključak
- Montaža nosača na priključak
- Montaža nosača na priključak

**70122.E0**  
Maska 2/3M EXP BASIC, crna sa belim nosačem  
Cover frame 2/3M EXP BASIC, black with white holder



142,4 x 91,8 mm

- Za polnjenje slika sa belim nosačem
- Ugradnja nosača priključakom na priključak
- Montaža nosača na priključak
- Montaža nosača na priključak

**70132.E0**  
Maska 3/3M EXP BASIC, crna sa belim nosačem  
Cover frame 3/3M EXP BASIC, black with white holder



230,8 x 91,8 mm

- Za polnjenje slika sa belim nosačem
- Ugradnja nosača priključakom na priključak
- Montaža nosača na priključak
- Montaža nosača na priključak

**70106.E0**  
Maska 4M EXP BASIC, crna sa belim nosačem  
Cover frame 4M EXP BASIC, black with white holder



182,2 x 91,8 mm

- Za polnjenje slika sa belim nosačem
- Ugradnja nosača priključakom na priključak
- Montaža nosača na priključak
- Montaža nosača na priključak

**70107.E0**  
Maska 7M EXP BASIC, crna sa belim nosačem  
Cover frame 7M EXP BASIC, black with white holder



230,8 x 91,8 mm



**experience**  
**BASIC**  
**CRNA MASKA / SILVER NOSAČ**  
**BLACK FRAME / SILVER HOLDER**

**70101.E5**  
Maska IM EXP  
BASIC, crna sa  
srebrnim nosačem  
Cover frame IM EXP  
BASIC, black with  
silver holder



- Za poluprivetnu i otvorenu upotrebu
- Izdržljiva i otporna na udarce
- Izdržljiva i otporna na udarce
- Izdržljiva i otporna na udarce

976 x 518 mm



**70102 ES**

Niská 2M EXP  
BASIC črna s  
sivim nosilcem

Črna frame 2M EXP  
BASIC, black with  
silver holder

- Znižuje porabo energije na vsi moduli
- Enostavno in varno nastavljanje s pomočjo tipke
- Enostavno in varno nastavljanje s pomočjo tipke
- Enostavno in varno nastavljanje s pomočjo tipke

97,5 x 91,8 mm

**7012.ES**

Masika Z/M EXP  
EASIC, crm si  
silver nassien

Cover frame Z/M  
EXP EASIC, black with  
silver holder

- Two elegant designs as six models
- Unique new model perfectly adapted to all
- Economical assembly with no rivets
- Available ready-to-mount frame or partially

102 x 91,3 mm

The technical drawing shows two views of the Masika Z/M EXP cover frame. The top view is a square with rounded corners, featuring a central square cutout. It has four mounting holes at the corners, each consisting of a small circle (inner hole) and a larger circle (outer hole). The bottom view is a side profile of the frame, showing its depth and the mounting tabs.

**7010.ES**

Mastika 3M EXP  
BASIC, cross si  
silver rosebom

*Cover frame 3M EXP  
BASIC, black with  
silver fl. color.*



- 2x self-cleaning topcoat on all modules
- Up to 10 years warranty on product and service (10 years)
- Extensive 10-year warranty with preventive service
- Innovation: unique emergency alarm by pressing


1200 x 900 31 mm



## 70104.E5

Media AM EXP  
BASIC emul.  
silver rosettem

Cover frame AM EXP  
BASIC, stock with  
silver holder

- 28 pins wide 16 pins  
as set module
- Operating voltage  
programmable
- Fastening technology  
frame by pressing



120 x 40 x 8 mm

**70142 ES**

- Zgornji naves in dolni zavesni mehanizem
- Medla 2x2M
- EKP BASIC, vertikalna, zvezana
- Ugrajba na ročaju, priključni sistemjem
- Enoslojnost, priključni sistemjem z dvema mehanizma in vrezali
- Modrostrobo
- Izdelava iz PVC
- Montaža na prenosni
- Namreč pripravi

971A, 102Bren

**70162 ES**

- Zgornji naves in dolni zavesni mehanizem
- Medla 3x2M
- EKP BASIC, vertikalna, zvezana
- Ugrajba na ročaju, priključni sistemjem
- Enoslojnost, priključni sistemjem z dvema mehanizma in vrezali
- Modrostrobo
- Izdelava iz PVC
- Montaža na prenosni
- Namreč pripravi

971A, 102Bren

**70162 EFX**

- Zgornji naves in dolni zavesni mehanizem
- Medla 3x2M
- EKP BASIC, vertikalna, zvezana
- Ugrajba na ročaju, priključni sistemjem
- Enoslojnost, priključni sistemjem z dvema mehanizma in vrezali
- Modrostrobo
- Izdelava iz PVC
- Montaža na prenosni
- Namreč pripravi

971A, 102Bren

[illegible]

**701 32.45**

Modeli 32M  
ESP BASIC  
horizontalna  
crta sa silver  
roštiljem

Cover Name 32M  
Horizontal, black  
with silver border

• Zbog veličine kase, sa  
dimenzijama u horizontalnom  
režu, od kojih je jedna 300,  
može biti potrebna dodatna  
vigneta za montažu na  
površinu zida

• Za površinu zida pre  
instaliranja, potrebno je  
izvesti određene  
radove na pripremu  
površine  
za postavljanje

230 (± 9) mm

[illegible]

**70107 ES**

Media 7M Exp  
BASIC, crna sa  
silver nosačim  
Grupe 7000 7M Exp  
BASIC, black with  
silver holder

+ Dostupne u više  
saćin modela  
+ 10 godina roka  
garancije

• Fingerprint security  
with smart module  
• 100% tamnjenje  
(bez optičkog)

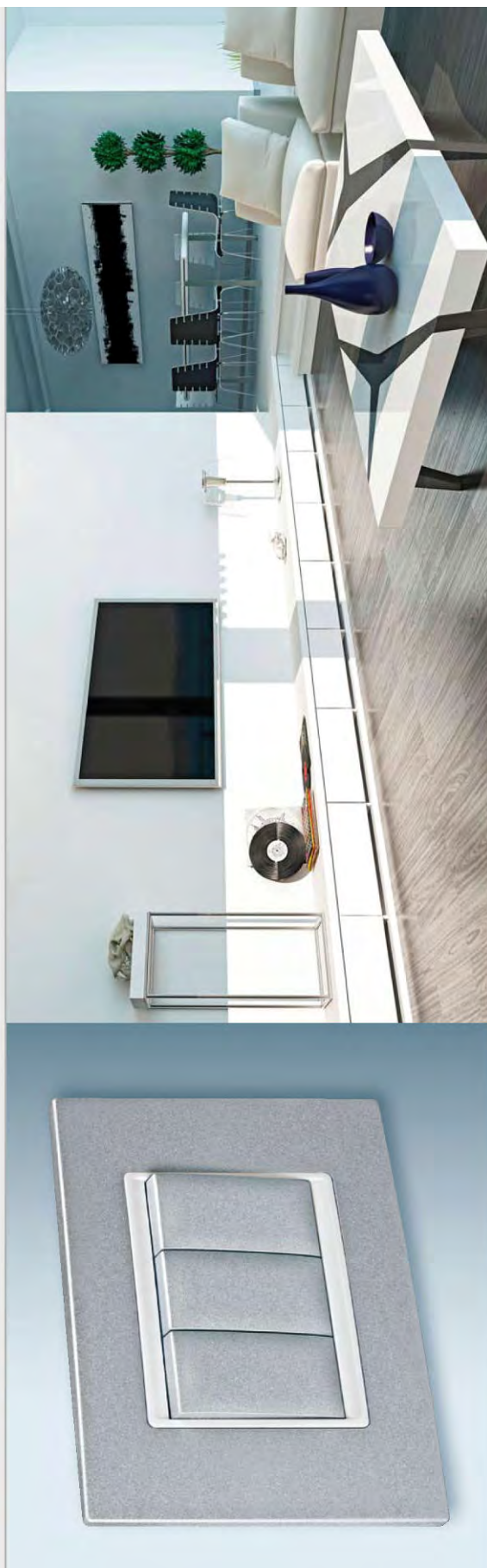
2016/11/20 10:00



**experience**  
**BASIC**  
**SILVER / SILVER**

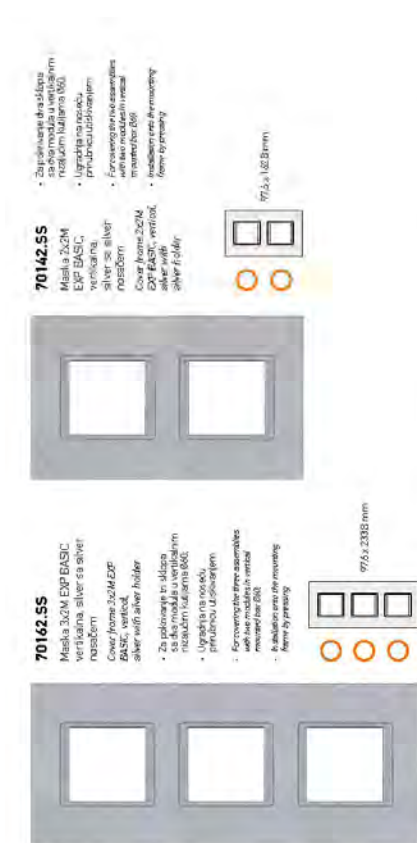
Srebrna tekstura za moderne  
entuzijaste i kao modni dodatak  
na Vašem zidu  
Silver texture for modern persons  
and as a fashion accessory  
to your wall

**ALING CONEL**



47

46



**70101.50**  
Maska 1M EXP BASIC, silver sa belim nosačem  
Cover frame 1M EXP BASIC, silver with white holder

• Za polaganje sklopke sa belim nosačem  
• Ugradnja na nosaču pribitku u zidovanim površinama

• For mounting the assembly with white module  
• Installation onto the mounting frame by pressing

97,5 x 91,8 mm

**70102.50**  
Maska 2M EXP BASIC, silver sa belim nosačem  
Cover frame 2M EXP BASIC, silver with white holder

• Za polaganje sklopke sa belim nosačem  
• Ugradnja na nosaču pribitku u zidovanim površinama

• For mounting the assembly with white module  
• Installation onto the mounting frame by pressing

97,5 x 91,8 mm

**70103.50**  
Maska 3M EXP BASIC, silver sa belim nosačem  
Cover frame 3M EXP BASIC, silver with white holder

• Za polaganje sklopke sa belim nosačem  
• Ugradnja na nosaču pribitku u zidovanim površinama

• For mounting the assembly with white module  
• Installation onto the mounting frame by pressing

120 x 91,8 mm

**70104.50**  
Maska 4M EXP BASIC, silver sa belim nosačem  
Cover frame 4M EXP BASIC, silver with white holder

• Za polaganje sklopke sa belim nosačem  
• Ugradnja na nosaču pribitku u zidovanim površinama

• For mounting the assembly with white module  
• Installation onto the mounting frame by pressing

142,5 x 91,8 mm

**70142.50**  
Maska 3,2M EXP BASIC, silver sa belim nosačem  
Cover frame 3,2M EXP BASIC, silver with white holder

• Za polaganje sklopke sa belim nosačem  
• Ugradnja na nosaču pribitku u zidovanim površinama

• For mounting the assembly with white module  
• Installation onto the mounting frame by pressing

97,5 x 238,8 mm

**70142.50**  
Maska 3,2M EXP BASIC, silver sa belim nosačem  
Cover frame 3,2M EXP BASIC, silver with white holder

• Za polaganje sklopke sa belim nosačem  
• Ugradnja na nosaču pribitku u zidovanim površinama

• For mounting the assembly with white module  
• Installation onto the mounting frame by pressing

97,5 x 238,8 mm

**70122.50**  
Maska 2,2M EXP BASIC, silver sa belim nosačem  
Cover frame 2,2M EXP BASIC, silver with white holder

• Za polaganje sklopke sa belim nosačem  
• Ugradnja na nosaču pribitku u zidovanim površinama

• For mounting the assembly with white module  
• Installation onto the mounting frame by pressing

97,5 x 91,8 mm

**70122.50**  
Maska 2,2M EXP BASIC, silver sa belim nosačem  
Cover frame 2,2M EXP BASIC, silver with white holder

• Za polaganje sklopke sa belim nosačem  
• Ugradnja na nosaču pribitku u zidovanim površinama

• For mounting the assembly with white module  
• Installation onto the mounting frame by pressing

97,5 x 91,8 mm

**70132.50**  
Maska 3,3M EXP BASIC, silver sa belim nosačem  
Cover frame 3,3M EXP BASIC, silver with white holder

• Za polaganje sklopke sa belim nosačem  
• Ugradnja na nosaču pribitku u zidovanim površinama

• For mounting the assembly with white module  
• Installation onto the mounting frame by pressing

238,5 x 91,8 mm

**70106.50**  
Maska 6M EXP BASIC, silver sa belim nosačem  
Cover frame 6M EXP BASIC, silver with white holder

• Za polaganje sklopke sa belim nosačem  
• Ugradnja na nosaču pribitku u zidovanim površinama

• For mounting the assembly with white module  
• Installation onto the mounting frame by pressing

187,2 x 91,8 mm

**70107.50**  
Maska 7M EXP BASIC, silver sa belim nosačem  
Cover frame 7M EXP BASIC, silver with white holder

• Za polaganje sklopke sa belim nosačem  
• Ugradnja na nosaču pribitku u zidovanim površinama

• For mounting the assembly with white module  
• Installation onto the mounting frame by pressing

209,5 x 91,8 mm

**70107.50**  
Maska 7M EXP BASIC, silver sa belim nosačem  
Cover frame 7M EXP BASIC, silver with white holder

• Za polaganje sklopke sa belim nosačem  
• Ugradnja na nosaču pribitku u zidovanim površinama

• For mounting the assembly with white module  
• Installation onto the mounting frame by pressing

209,5 x 91,8 mm







experience

COLOR  
VIVID

Raznolikost boja i prostornih formacija  
pruža veliku bogatstvu boja  
Raznolikost boja i prostornih formacija  
pruža veliku bogatstvu boja

ALING CONEL



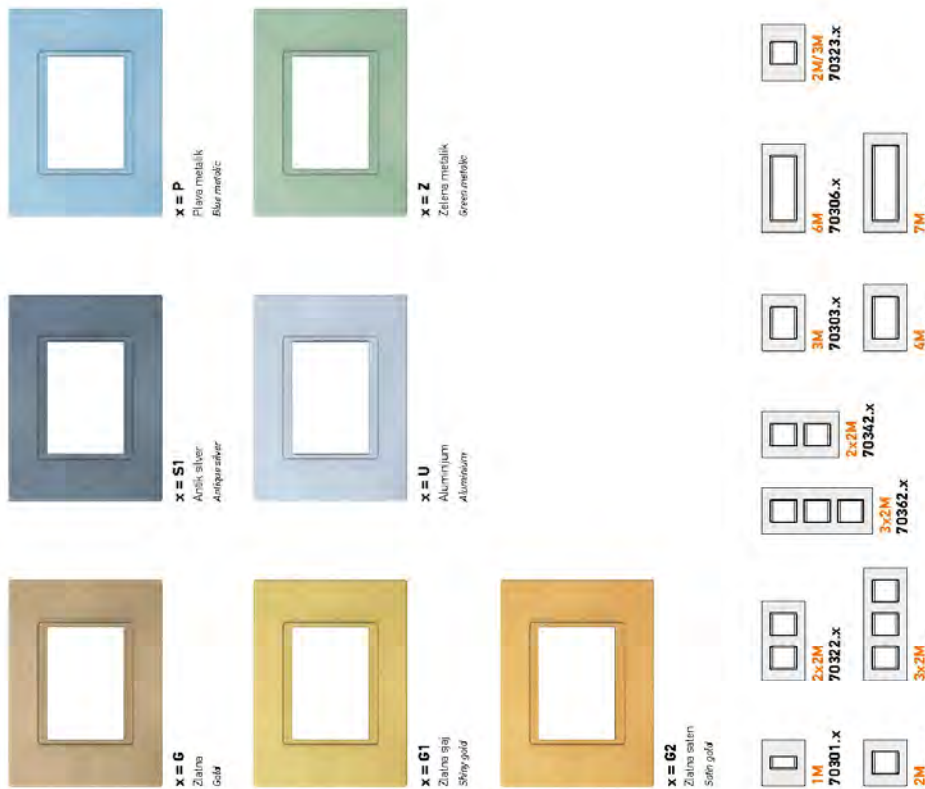


experience

COLOR  
METALLIC

Metalls effeiti dize vašem zidu  
dodučkujete  
Metallic effect gives your wall  
a dose of luxury

ALING CONEL







experience  
COLOR  
SOFT TOUCH

Kada se svjetlo ugasi soft touch sky blue uodi vas u novi svet dekorativnih maski.

When the light is on, any blue soft touch brings you into the new world of decorative frames.

```
x = 0
Sky blue
Sky blue
```



**x = E1**  
 Gravitativ  
 Feld Mode



BEAUTY  
HIDDEN IN  
TOUCH

New line of frames arouses in user a new feeling: a sense of touch.

Soft, tender surface - a distinctive feature that highlights a sophisticated look.

Soft touch frames are produced in two basic colors: black and white (sky blue).

Originality is reflected in the white frame that glows in the dark by bluish light, hence the name is sky blue.

LEPOTA  
SKRIVENA  
U DODIRU

Novi linija maski programa  
Experience bud u harmoniku  
još jedno žulo žulo dočira -  
Mekana, nežna površina -  
specifičnost koja naglašava  
solističnu izgled

Maska soft touch proizvodi se u dve  
osnovne boje: crnoj i beloj (sky blue).

Novina se ogleda u beloj masi  
koja samo u maliku svetli  
plavčasti m svetlino.  
da čudila i naziv sky blue.


70401.x

641 70406.x





experience  
EXCLUSIVE  
WOOD

Četin elegantne vrste za  
tradicionalne prostor i karakter  
kaj uživaju u čistini punog drveta  
Four elegant woods  
for traditional spaces and pure  
joy in the warmth of solid wood






## experience EXCLUSIVE GLASS

Ovo je izvanredan prostor koji pruža  
najnovije trendove u dizajnu  
interijera.  
Experience every space  
that follows the latest trends  
in interior design.

**x = 0**  
Kristalno bijela  
Crystal white

**x = 7**  
Koral  
Coral

**2M**  
70602.x

**3M**  
70603.x

**4M**  
70604.x

**7M**  
70607.x

### PURE AND SENSUAL... EXTRAVAGANT AND SHINY...

Glass is one of the basic materials in our living spaces for several centuries and until today more and more fits its place in interior design. Although many see glass as a cold and insensitive material, its advantages and possibilities of performing attractive attitude in the interior are becoming more and more obvious. The material that should be loved and enjoyed in all the beautiful creates in the interior.

With its transparency and even, glass does not bore the space and make it airy and bright. Experience offers two decorative cover models made of glass:

- Crystal white made for your tastefully
- Coral which introduces you to a dreamy underwater world.

### ČISTO I SENZUALNO... EKSTRAVAGANTNO I SJAJNO...

Staklo je jedan od osnovnih materijala našim životnim prostorima već tisućlako godina i sve do danas je i dalje prisutan u svim prostorima i svim vrstama interijera.

Iako staklo mnogi doživljavaju kao hladan materijal, njegove prednosti i mogućnosti u stvaranju privlačnih interijera su mnogobrojne. Upravo iz tih razloga, staklo, kao materijal, treba voljeti i uživati u svim životnim prostorima i interijerima.

Svjetlost i transparentnost, i lakotom, ne opterećuje prostor i čini ga prozračnim i sjajnim.

Program Experience nudi dve dekorativne maske izrađene od stakla:

- Kristalno bijela maska, čine ogledali vašu individualnost.
- Koral koja vas vodi u sanjan potopni svet.



# experience EXCLUSIVE METAL

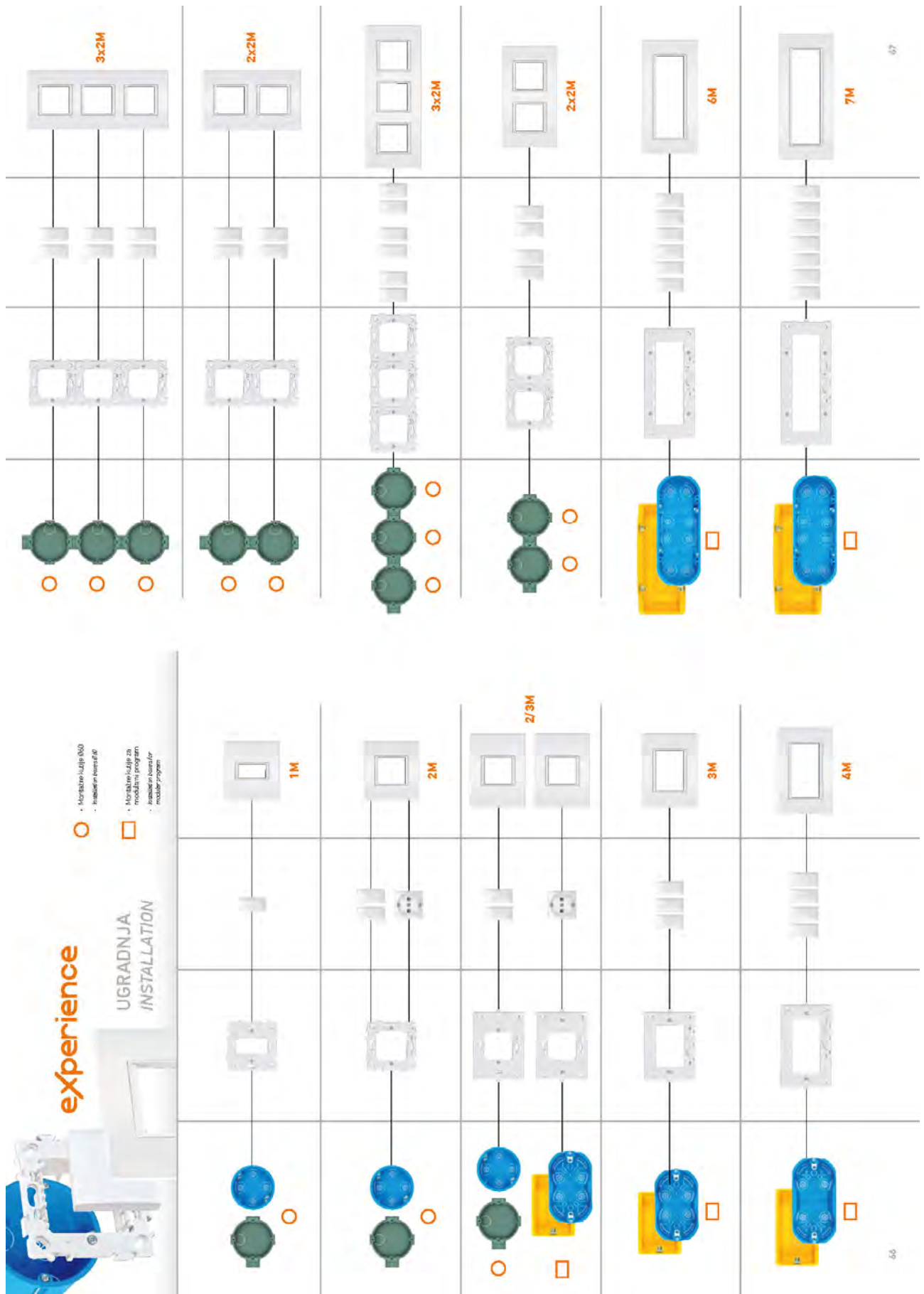
Maz lijevina metala prelažena  
u eleganciju za jedinstvene prostore  
Distinctive materijala  
for unique spaces


OUTSTANDING...  
CLEAR...  
DURABLE...  
NOBLE...  
METAL

Exclusive line in Experience is enriched with  
modern metal plates - metal.  
Metal as a material gives a user a sense of  
solidity and robustness.  
Metal is used on the wall, reflects the  
character of modern and stylish modern  
the attention of viewer.  
In combination with clear geometric lines and  
rough surfaces metal covering masks are easy  
files in walls and in ultra modern homes.  
Experience Program offers two decorative  
covering masks made of metal.  
• Anti-que gold that will gain an orchard  
to every space  
• Titanium, that will give the space  
a sense of nobility.

IZVANREDAN...  
JASAN...  
TRAJAN...  
PLEMENIT...  
METAL

Exclusive lineja programa Experience obogaćena  
je još jednim prirodnom materijalom - metalom.  
Metal kao materijal budi u korisniku osjećaj  
trajnosti i robustnosti.  
Metal kao detalj na zidu odlikuje karakter  
vlasnika i zadržava buduću potražnju.  
U kombinaciji sa jasnim geometrijskim linijama  
i grubim površinama dekorativne maske od  
metala lako su uljepave u rustične, ali i ultra  
moderne domove.  
Program Experience nudi dve dekorativne  
maske izrađene od metala.  
• Anti-que zlato sa kojom će svaki prostor  
dobiti na rustičnosti  
• Titanijum koji će prostoru dati  
dodu individualnosti.





**71001**  
Prirubnica  
1M EXP  
za šuplji zid  
Mounting  
frame 1M EXP  
for hollow wall



- Za ugradnju  
jednog modula
- Ugradnja u montažnu  
kupu (ili pomoću vijaka)
- Za ugradnju  
modula
- Instalacija na zid  
ili stropni ploču



**71101**  
Prirubnica  
1M EXP  
sa slepačima  
Mounting  
frame 1M EXP  
with claws



- Za ugradnju  
jednog modula
- Ugradnja u montažnu  
kupu (ili pomoću vijaka)
- Za ugradnju  
modula
- Instalacija na zid  
ili stropni ploču



**71002**  
Prirubnica  
2M EXP  
za šuplji zid  
Mounting  
frame 2M EXP  
for hollow wall



- Za ugradnju  
dva modula
- Ugradnja u montažnu  
kupu (ili pomoću vijaka)
- Za ugradnju  
modula
- Instalacija na zid  
ili stropni ploču



**71102**  
Prirubnica  
2M EXP  
sa slepačima  
Mounting  
frame 2M EXP  
with claws



- Za ugradnju  
dva modula
- Ugradnja u montažnu  
kupu (ili pomoću vijaka)
- Za ugradnju  
modula
- Instalacija na zid  
ili stropni ploču



**71123**  
Prirubnica  
2/3M EXP  
sa slepačima  
Mounting  
frame 2/3M EXP  
with claws



- Za ugradnju  
dva modula
- Ugradnja u montažnu  
kupu (ili pomoću vijaka)
- Za ugradnju  
modula
- Instalacija na zid  
ili stropni ploču



**71023**  
Prirubnica  
2/3M EXP  
sa vijcima  
Mounting  
frame 2/3M EXP  
with screws



- Za ugradnju dva modula
- Ugradnja u montažnu  
kupu (ili pomoću vijaka)
- Za ugradnju  
modula
- Instalacija na zid  
ili stropni ploču



**71003**  
Prirubnica  
3M EXP  
sa vijcima  
Mounting  
frame 3M EXP  
with screws



- Za ugradnju tri modula
- Ugradnja u montažnu  
kupu (ili pomoću vijaka)
- Za ugradnju  
modula
- Instalacija na zid  
ili stropni ploču



**71004**  
Prirubnica  
4M EXP  
sa vijcima  
Mounting  
frame 4M EXP  
with screws



- Za ugradnju četiri modula
- Ugradnja u montažnu  
kupu (ili pomoću vijaka)
- Za ugradnju  
modula
- Instalacija na zid  
ili stropni ploču



**71006**  
Prirubnica  
4M EXP  
sa vijcima  
Mounting  
frame 4M EXP  
with screws



- Za ugradnju šest modula
- Ugradnja u montažnu  
kupu (ili pomoću vijaka)
- Za ugradnju  
modula
- Instalacija na zid  
ili stropni ploču



**71007**  
Prirubnica  
7M EXP  
sa vijcima  
Mounting  
frame 7M EXP  
with screws



- Za ugradnju sedam modula
- Ugradnja u montažnu  
kupu (ili pomoću vijaka)
- Za ugradnju  
modula
- Instalacija na zid  
ili stropni ploču



**71202**  
Set vijaka M3,5 x 20  
pakovanje 100 kom  
Screws set M3,5 x 20  
pack 100 pcs



**71203**  
Set vijaka M3,5 x 35  
pakovanje 50 kom  
Screws set M3,5 x 35  
pack 50 pcs



**71204**  
Set vijaka M3,5 x 50  
pakovanje 50 kom  
Screws set M3,5 x 50  
pack 50 pcs







experience

ŠEME VEZIVANJA I TEHNIČKI CRTEŽI  
WIRING DIAGRAMS & TECHNICAL DRAWINGS

experience



**ALING CONEL**

**A70102.0**  
Miska  
2M EXP  
ANTIBACTERIAL  
bela  
Cover frame  
2M EXP  
ANTIBACTERIAL  
white

• Zapolnitev telesa s sistemom.  
• Ugradnja na nosilcu priključni učilnik s sistemom.  
• Priključni učilnik s sistemom.

• For covering the body with the system.  
• Installation on the carrier with the system.  
• Installation on the carrier with the system.

97,6 x 97,6 mm

**A70122.0**  
Miska 2x2M EXP  
ANTIBACTERIAL  
horizontalna, bela  
Cover frame  
2x2M EXP  
ANTIBACTERIAL  
horizontal, white

• Zapolnitev telesa s sistemom.  
• Ugradnja na nosilcu priključni učilnik s sistemom.  
• Priključni učilnik s sistemom.

• For covering the body with the system.  
• Installation on the carrier with the system.  
• Installation on the carrier with the system.

181,6 x 97,6 mm

**A70132.0**  
Miska 3x2M EXP  
ANTIBACTERIAL  
horizontalna, bela  
Cover frame  
3x2M EXP  
ANTIBACTERIAL  
horizontal, white

• Zapolnitev telesa s sistemom.  
• Ugradnja na nosilcu priključni učilnik s sistemom.  
• Priključni učilnik s sistemom.

• For covering the body with the system.  
• Installation on the carrier with the system.  
• Installation on the carrier with the system.

230,4 x 97,6 mm

**A70103.0**  
Miska  
2M EXP  
ANTIBACTERIAL  
bela  
Cover frame  
2M EXP  
ANTIBACTERIAL  
white

• Zapolnitev telesa s sistemom.  
• Ugradnja na nosilcu priključni učilnik s sistemom.  
• Priključni učilnik s sistemom.

• For covering the body with the system.  
• Installation on the carrier with the system.  
• Installation on the carrier with the system.

120 x 97,6 mm

**A70104.0**  
Miska  
4M EXP  
ANTIBACTERIAL  
bela  
Cover frame  
4M EXP  
ANTIBACTERIAL  
white

• Zapolnitev telesa s sistemom.  
• Ugradnja na nosilcu priključni učilnik s sistemom.  
• Priključni učilnik s sistemom.

• For covering the body with the system.  
• Installation on the carrier with the system.  
• Installation on the carrier with the system.

142,6 x 97,6 mm

**A70107.0**  
Miska  
7M EXP  
ANTIBACTERIAL  
bela  
Cover frame  
7M EXP  
ANTIBACTERIAL  
white

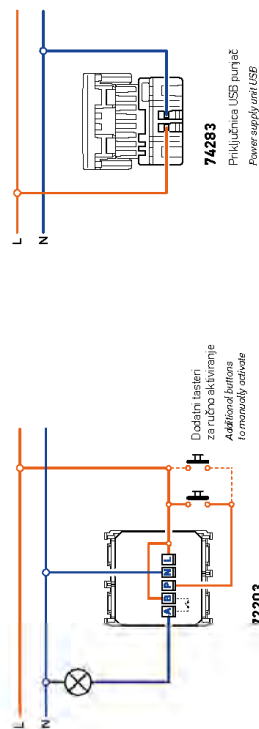
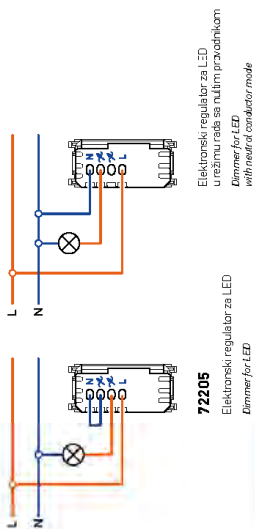
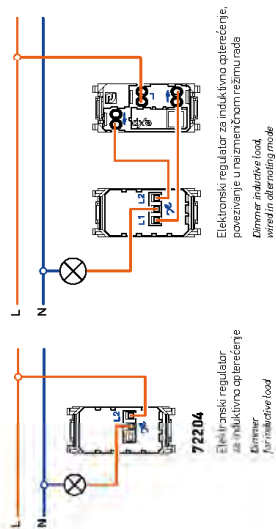
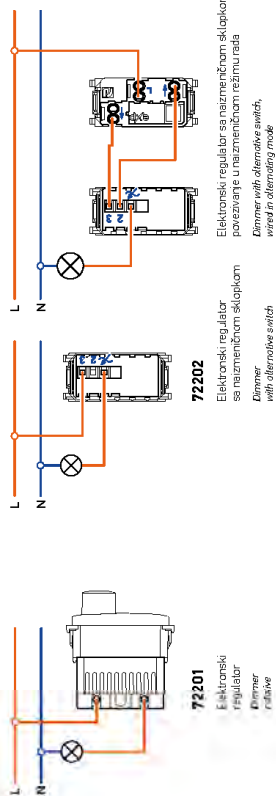
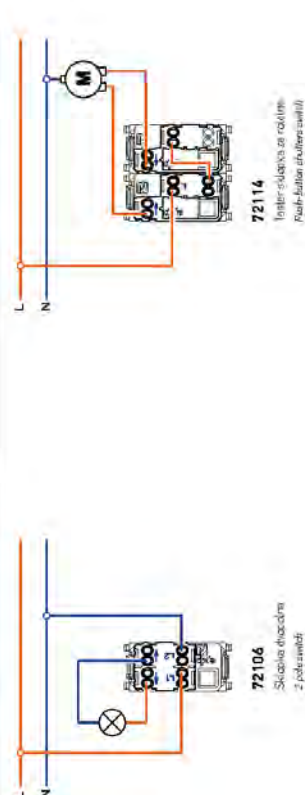
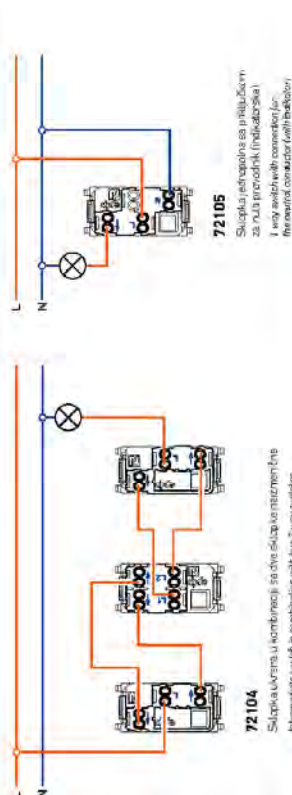
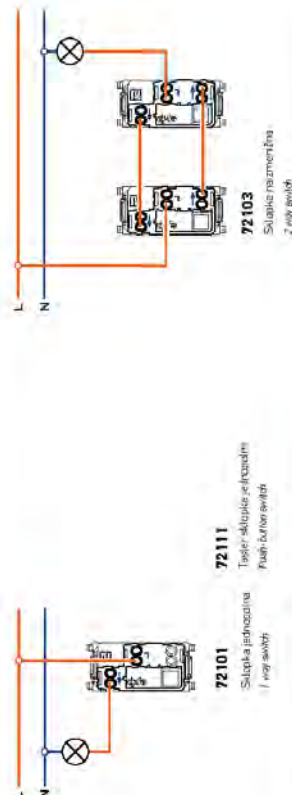
• Zapolnitev telesa s sistemom.  
• Ugradnja na nosilcu priključni učilnik s sistemom.  
• Priključni učilnik s sistemom.

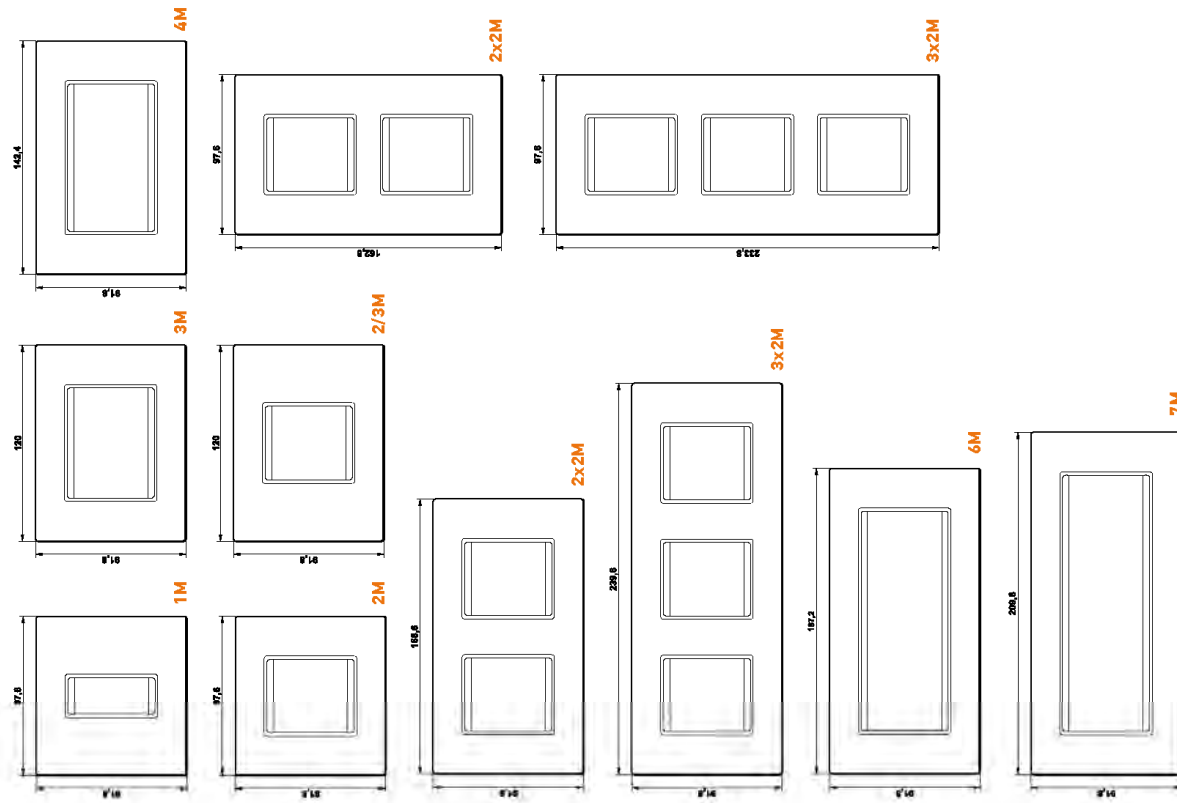
• For covering the body with the system.  
• Installation on the carrier with the system.  
• Installation on the carrier with the system.

220,6 x 97,6 mm

experience

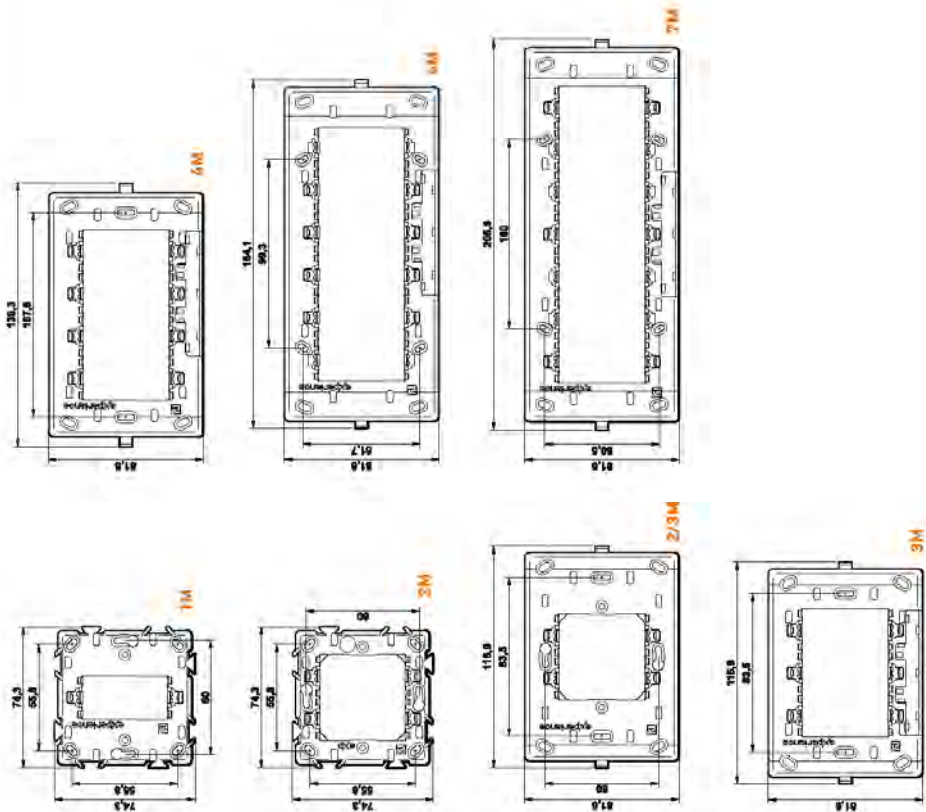
ŠEME VEZIVANJA  
WIRING DIAGRAMS





experience

TEHNIČKI CRTEŽI  
TECHNICAL DRAWINGS



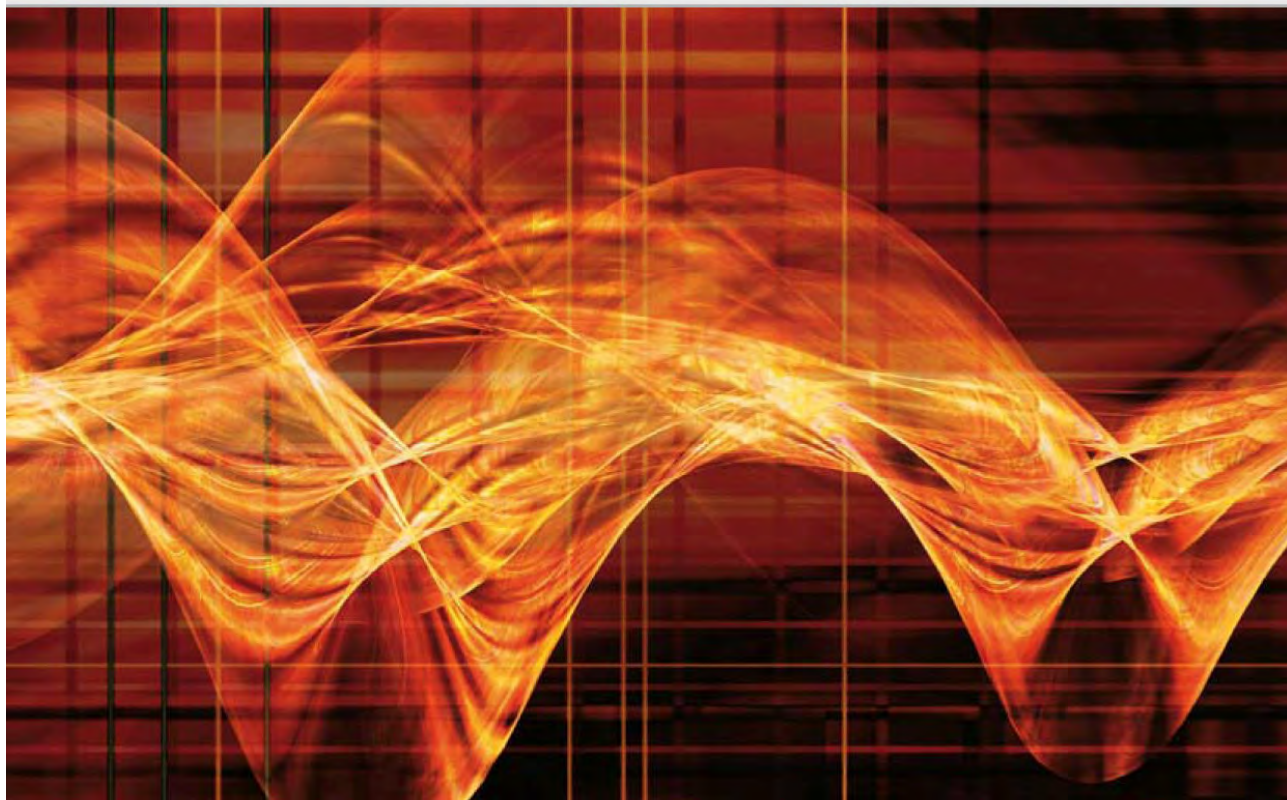


ISKUSTVO U KOJE VERUJETE  
**experience**  
 YOU TRUST

experience



**ALING CONEL**



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