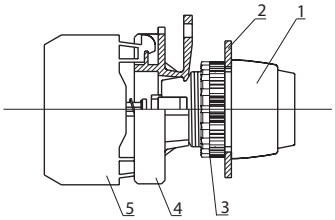
Application

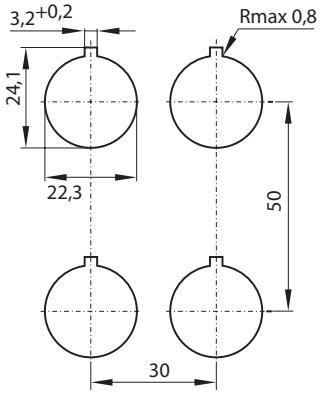
Control pushbuttons of ST22 Series are used for making and breaking circuits of up to 2.5 A, in visual and audible signalization in machine panels and control boards.
Control pushbuttons and indicator lamps ST22 have modular construction. Types of functional modules of a pushbutton are shown in Fig. A. Control pushbuttons and indicator lamps ST22 are delivered as complete products or functional modules. Modular construction of pushbuttons and lamps of ST22 Series allows to create required functional variants of devices or making changes in existing control circuits.
Control pushbuttons ST22 can be mounted in standard openings of 22.3 mm diameter in control or signalization panels or directly in the body of a machine or device. The upper parts of the pushbuttons are black or satin nickel plated.

Fig. A
Functional elements of pushbuttons and lamps

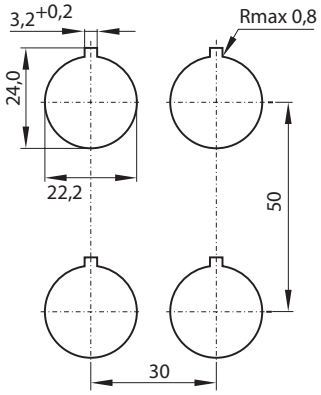


1. Actuator or lamp holder
2. Panel
3. Ring nut
4. Holder
5. Switch

Spacing of the holes in the panel, recommended by PN-EN 60947-5-1



Spacing of the holes in the panel, maximum



Assembly

Control pushbuttons and signalling lamps are mounted in control panel openings. Insert the actuator (1) into the standard hole on the panel (2), fasten the ring nut underneath the panel (3) to fix the actuator (1) Fig. B.
Then snap the holder (4) on the actuator (1) making sure that positioning arrows are matched as shown in Fig. C.
The switches (5) are snapped onto the holder (4) Fig. D. Up to 3 switches can be mounted to the holder (4) or 1 to 2 in the illuminated version Fig. D.

Fig. B
Position of the actuator (lamp holder) in the panel

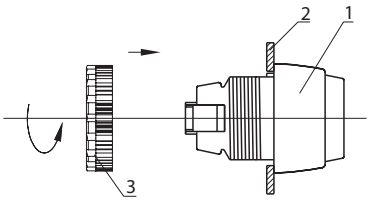


Fig. C
Assembling the holder with the actuator and the switch with the holder

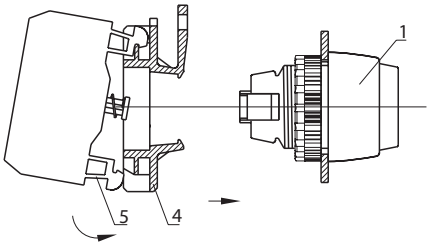
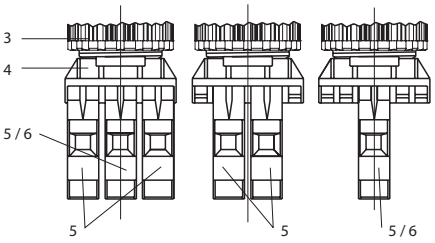


Fig. D
Assembling the switches or a lamp holder with the holder



1. Actuator or lamp holder
2. Panel
3. Ring nut
4. Holder
5. Switch
6. Lamp holder

Disassembly

To remove a pushbutton or an indicator lamp ST22 from the control panel:
1) To remove the switches (5) or a lamp from the holder (4) lever the fixing catch (5) with a screwdriver and pull back the switch from the holder. Fig. E.
2) Put a slot head screwdriver in the eye of the holder (4), lever it slightly and pull the holder back Fig. F.
3) Unscrew the ring nut (3) to remove the actuator (1) from the control panel (2) Fig. G.

Fig. E
Disassembling the switch or the lamp holder from the holder

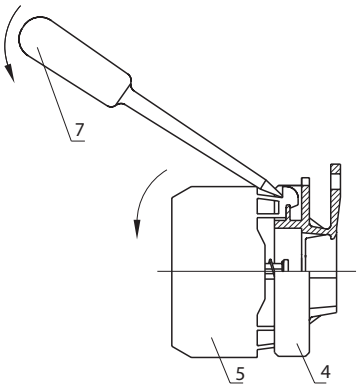


Fig. F
Disassembling the holder

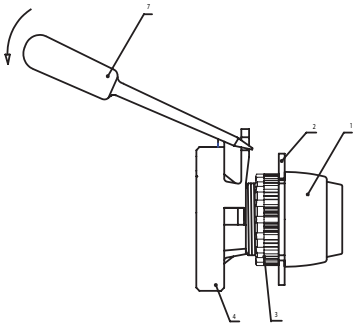
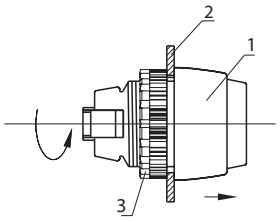
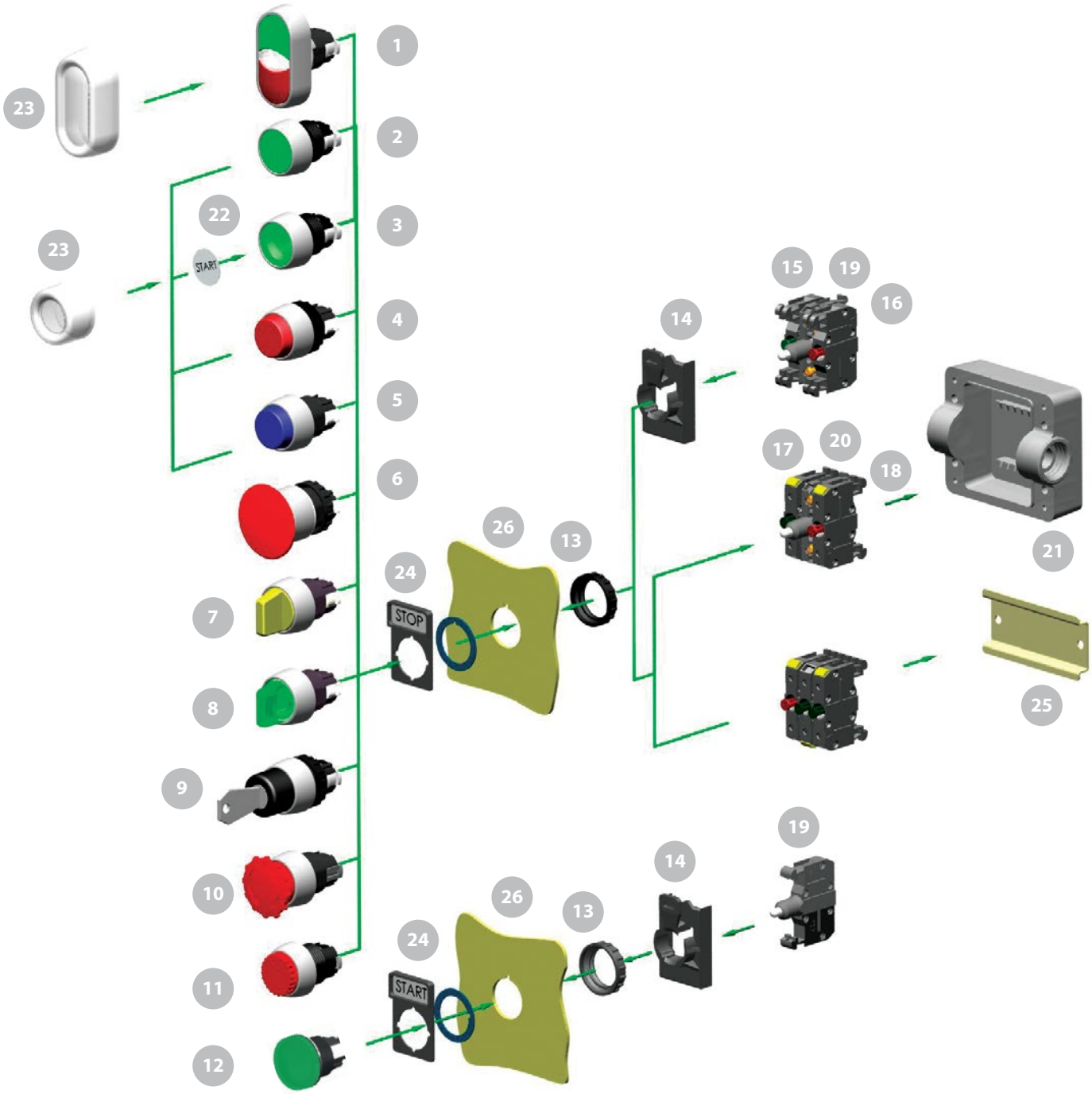


Fig. G
Disassembling the actuator from the panel



1. Actuator
2. Panel
3. Ring nut
4. Holder
5. Switch
6. Lamp holder
7. Screwdriver

Control pushbuttons ST22



Element	Catalogue code
1. Actuator with twin pushbutton	ST22-2KL …
2. Flush pushbutton actuator	ST22-K …
3. Illuminated flush pushbutton actuator	ST22-KL …
4. Raised pushbutton actuator	ST22-W …
5. Illuminated raised pushbutton actuator	ST22-WL …
6. Mushroom head pushbutton actuator	ST22-D …
7. Knob-operated selector switch actuator	ST22-P …
8. Illuminated knob-operated selector switch actuator	ST22-PL ...
9. Key-operated selector switch actuator	ST22-S …
10. Emergency actuator	ST22-B …
11. Actuator with raised pushbutton, latching	ST22-WR …
12. Holder	ST22-L …
13. Nut (included)	ST22-6608\P01

Element	Catalogue code
14. Holder	ST22-6609\P01
15. Normally open switch	ST22\10- …
16. Normally closed switch	ST22\01- …
17. Normally open rail switch	ST22\10- … -sz
18. Normally closed rail switch	ST22\01- … -sz
19. Lamp holder	ST22-1417\R...
20. Rail lamp holder	ST22-1417\R...
21. Control station	ST22K … \ …
22. Insert label with lettering	ST22-7202\ …
23. Hermetic caps	ST22-7608, ST22-7606
24. Legend plate	ST22-1901\ …
25. TS35 rail	-
26. Panel	-