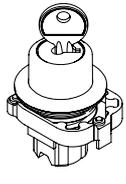
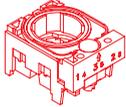


Keylock switch 2 and 3 positions, IP66, IP67, IP69K

Equipment consisting of (schematic overview)

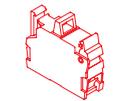


Actuator



Holder

Page 111

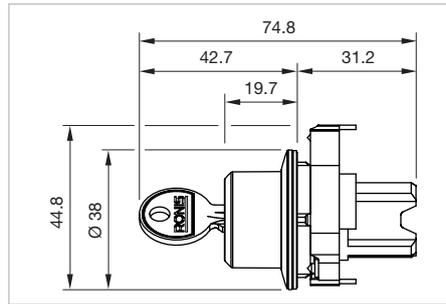


Switching element

Page 112

Each Part Number listed below includes all the black components shown in the 3D-drawing.

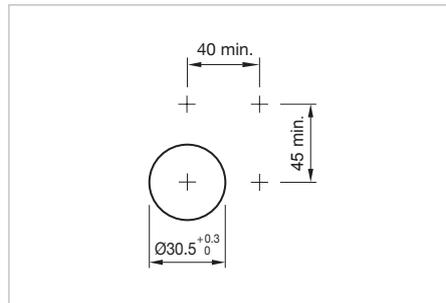
To obtain a complete unit, please select the red components from the pages shown.



Dimensions [mm]



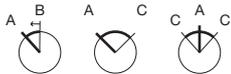
Product can differ from the current configuration.



Mounting cut-outs [mm]

Additional Information

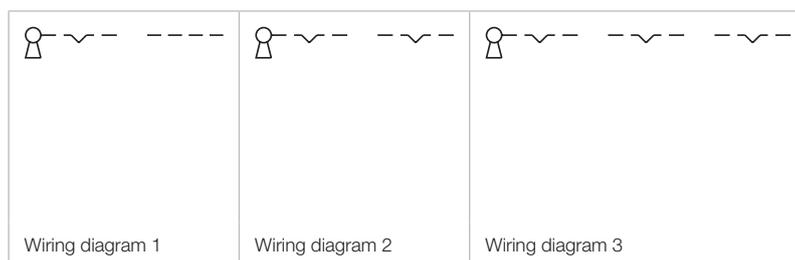
- Front panel thickness 1-6 mm
- The standard lock: RONIS, T254
- Two keys are supplied with each key lock switch



Switching positions (A = Rest, B = Momentary, C = Maintained)

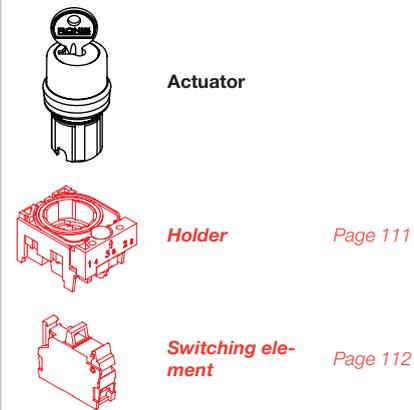
Front ring	Switching action	Switching angle	Key remove	Part No.	Wiring diagram	Weight
 <p>Keylock switch 2 positions, Front dimension Ø 38 mm</p>						
Metal sandgrey	A - B	B = 45°	A	45-290J.4F00.116	1	0.090 kg
	A - C	C = 90°	A + C	45-290H.4F00.111	2	0.090 kg
	A - C	C = 90°	A	45-290J.4F00.111	2	0.090 kg
 <p>Keylock switch 3 positions, Front dimension Ø 38 mm</p>						
Metal sandgrey	C - A - C	C = 45°	C - A - C	45-290F.4F00.113	3	0.090 kg

Switching action: A = Rest, B = Momentary, C = Maintain



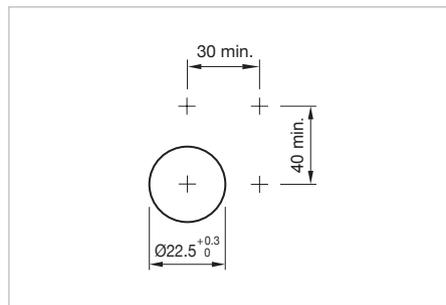
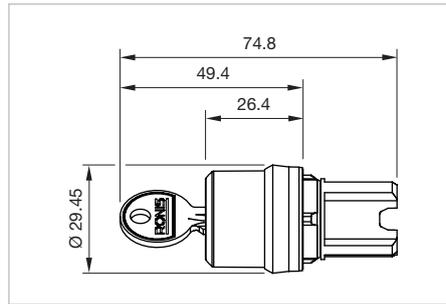
Keylock switch 2 positions, IP66, IP67, IP69K

Equipment consisting of (schematic overview)



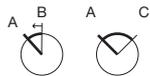
Each Part Number listed below includes all the black components shown in the 3D-drawing.

To obtain a complete unit, please select the red components from the pages shown.



Additional Information

- The standard lock: RONIS, T254
- Two keys are supplied with each key lock switch



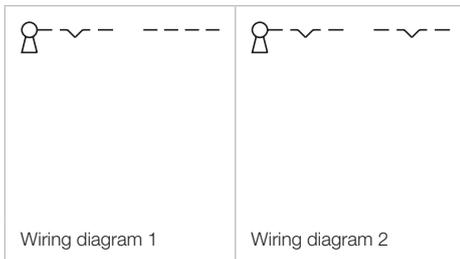
Switching positions (A = Rest, B = Momentary, C = Maintained)

Front ring	Housing material	Switching action	Switching angle	Key remove	Part No.	Wiring diagram	Weight
 <p>Keylock switch actuator 2 positions, Front dimension Ø 29.45 mm</p>							
Plastic black	Plastic	A - B	B = 45°	A	45-290K.1000.116	1	0.046 kg
		A - C	C = 90°	A	45-290J.1000.111	2	0.046 kg
				A + C	45-290H.1000.111	2	0.046 kg
				A	45-2925.1000.111	2	0.046 kg
 <p>Keylock switch actuator 2 positions, Front dimension Ø 29.45 mm</p>							
Metal sandgrey	Plastic	A - B	B = 45°	A	45-290K.3000.116	1	0.061 kg
		A - C	C = 90°	A	45-290J.3000.111	2	0.061 kg
				A + C	45-290H.3000.111	2	0.061 kg
				A	45-2925.3000.111	2	0.061 kg

45 Raised design

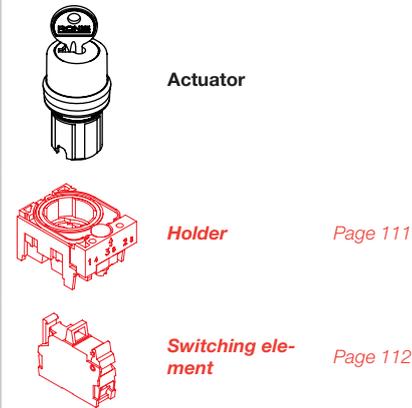
Front ring	Housing material	Switching action	Switching angle	Key remove	Part No.	Wiring diagram	Weight
 <p>Keylock switch actuator 2 positions, Front dimension Ø 29.45 mm</p>							
Metal silver	Metal	A - B	B = 45°	A	45-290K.2000.116	1	0.080 kg
		A - C	C = 90°	A	45-290J.2000.111	2	0.080 kg
				A + C	45-290H.2000.111	2	0.080 kg
				A	45-2925.2000.111	2	0.080 kg

Switching action: A = Rest, B = Momentary, C = Maintain



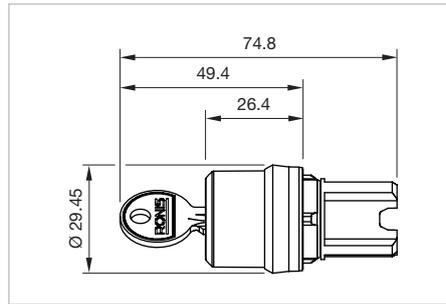
Keylock switch 3 positions, IP66, IP67, IP69K

Equipment consisting of (schematic overview)



Each Part Number listed below includes all the black components shown in the 3D-drawing.

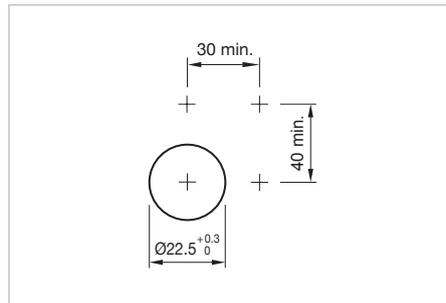
To obtain a complete unit, please select the red components from the pages shown.



Dimensions [mm]



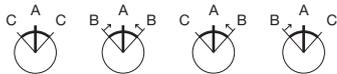
Product can differ from the current configuration.



Mounting cut-outs [mm]

Additional Information

- The standard lock: RONIS, T254
- Two keys are supplied with each key lock switch



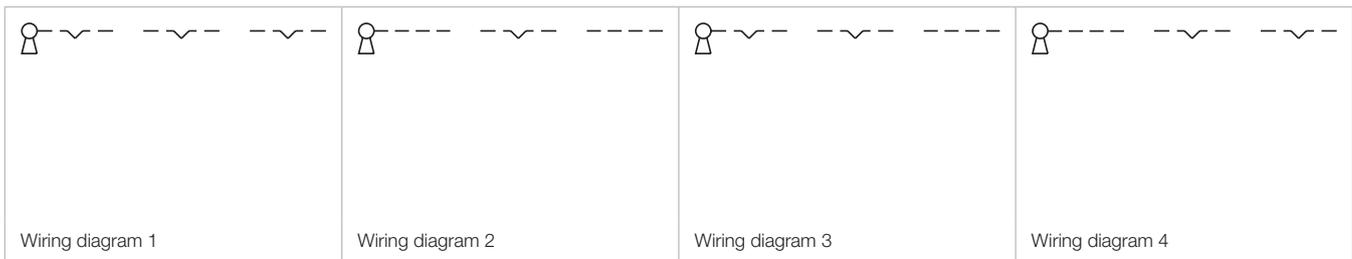
Switching positions (A = Rest, B = Momentary, C = Maintained)

Front ring	Housing material	Switching action	Switching angle	Key remove	Part No.	Wiring diagram	Weight
 <p>Keylock switch actuator 3 positions, Front dimension Ø 29.45 mm</p>							
Plastic black	Plastic	C - A - C	C = 45°	A	45-2924.1000.113	1	0.060 kg
		C - A - C	C = 45°	C + A + C	45-290F.1000.113	1	0.060 kg
		C - A - C	C = 45°	C - -	45-290D.1000.113	1	0.060 kg
		C - A - C	C = 45°	- - C	45-2917.1000.113	1	0.060 kg
		C - A - C	C = 45°	C + C	45-290C.1000.113	1	0.060 kg
		C - A - C	C = 45°	C + A	45-290G.1000.113	1	0.060 kg
		B - A - B	B = 45°	A	45-290Z.1000.113	2	0.060 kg
		C - A - B	C = 45°, B = 45°	A	45-2922.1000.113	3	0.060 kg
		B - A - C	B = 45°, C = 45°	A	45-2911.1000.113	4	0.060 kg

45 Raised design

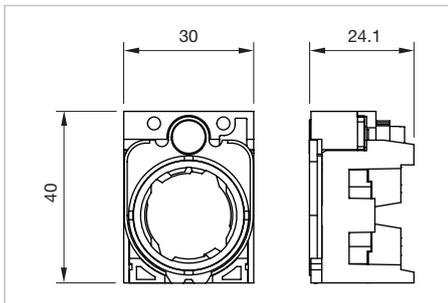
Front ring	Housing material	Switching action	Switching angle	Key remove	Part No.	Wiring diagram	Weight
 <p>Keylock switch actuator 3 positions, Front dimension Ø 29.45 mm</p>							
Metal sandgrey	Plastic	C - A - C	C = 45°	A	45-2924.3000.113	1	0.061 kg
		C - A - C	C = 45°	C + A + C	45-290F.3000.113	1	0.061 kg
		C - A - C	C = 45°	C - -	45-290D.3000.113	1	0.061 kg
		C - A - C	C = 45°	- - C	45-2917.3000.113	1	0.061 kg
		C - A - C	C = 45°	C + C	45-290C.3000.113	1	0.061 kg
		C - A - C	C = 45°	C + A	45-290G.3000.113	1	0.061 kg
		B - A - B	B = 45°	A	45-290Z.3000.113	2	0.061 kg
		C - A - B	C = 45°, B = 45°	A	45-2922.3000.113	3	0.061 kg
		B - A - C	B = 45°, C = 45°	A	45-2911.3000.113	4	0.061 kg
 <p>Keylock switch actuator 3 positions, Front dimension Ø 29.45 mm</p>							
Metal silver	Metal	C - A - C	C = 45°	A	45-2924.2000.113	1	0.080 kg
		C - A - C	C = 45°	C + A + C	45-290F.2000.113	1	0.080 kg
		C - A - C	C = 45°	C - -	45-290D.2000.113	1	0.080 kg
		C - A - C	C = 45°	- - C	45-2917.2000.113	1	0.080 kg
		C - A - C	C = 45°	C + C	45-290C.2000.113	1	0.080 kg
		C - A - C	C = 45°	C + A	45-290G.2000.113	1	0.080 kg
		B - A - B	B = 45°	A	45-290Z.2000.113	2	0.080 kg
		C - A - B	C = 45°, B = 45°	A	45-2922.2000.113	3	0.080 kg
		B - A - C	B = 45°, C = 45°	A	45-2911.2000.113	4	0.080 kg

Switching action: A = Rest, B = Momentary, C = Maintain



Rear side

Holder for 3 elements

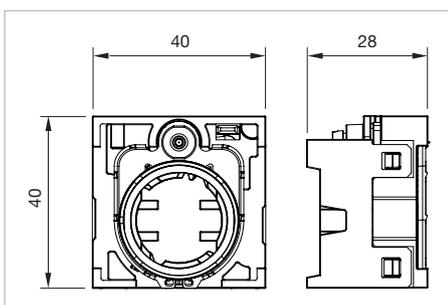


Dimensions [mm]

Material	Part No.	Component layout	Weight
 <p>Holder for 3 switching elements</p>			
Plastic	45-2300.1000.000	2	0.028 kg
 <p>Holder for 3 switching elements</p>			
Metal	45-2300.2000.000	2	0.046 kg

The component layouts you will find from Page 116

Holder for 4 elements



Dimensions [mm]

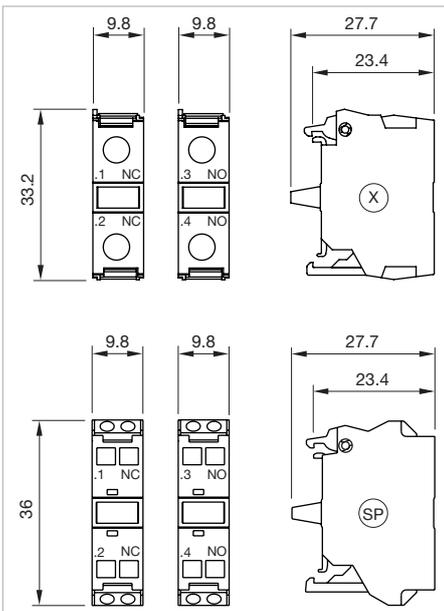
Material	Part No.	Component layout	Weight
 <p>Holder for 4 switching elements</p>			
Plastic	45-2400.1000.000	3	0.028 kg

45 Accessories

Material	Part No.	Component layout	Weight
 <p>Holder for 4 switching elements</p>			
Metal	45-2400.2000.000	3	0.046 kg

The component layouts you will find from Page 116

Switching element front mounting



Dimensions [mm]

X = Screw terminal, SP = Spring-type terminal

Switching current	Contacts	Contact material	Terminal	Part No.	Wiring diagram	Weight
 <p>Switching element</p>						
10 A	1 NO	Silver	Screw	45-311.1Z10	1	0.010 kg
10 A	1 NC	Silver	Screw	45-312.1Z10	2	0.010 kg
 <p>Switching element</p>						
10 A	1 NO	Silver	Spring-type terminal	45-311.1Z40	1	0.010 kg
10 A	1 NC	Silver	Spring-type terminal	45-312.1Z40	2	0.010 kg

45 Raised design

Product attribute	Dimension	Material	Colour	Part No.	Weight
 Legend plate					
for sticking or snapping in place	27 x 12.5 mm	Plastic	black	45-573.1102	0.001 kg
			red	45-573.1202	0.001 kg
			silver	45-573.1A02	0.001 kg
 Legend plate					
for sticking or snapping in place	27 x 17.5 mm	Plastic	black	45-573.1103	0.001 kg
			silver	45-573.1A03	0.001 kg
 Legend plate					
for sticking or snapping in place	27 x 27 mm	Plastic	black	45-573.1105	0.001 kg
			silver	45-573.1A05	0.001 kg
 Legend plate					
for sticking or snapping in place	22 x 22 mm	Plastic	silver	45-573.1A04	0.001 kg

Emergency stop legend

Additional Information

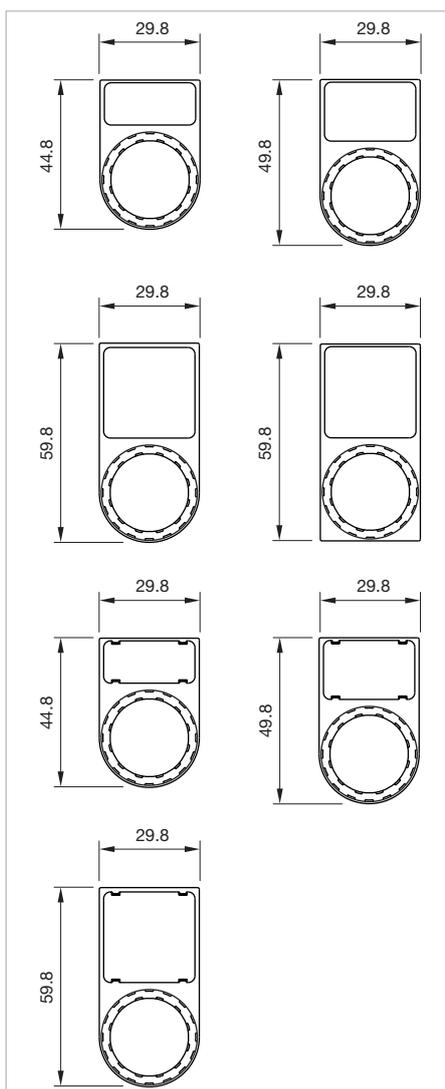
- Front panel thickness 3 mm max.

Dimension	Mounting cut-out	Marking	Colour	Product attribute	Part No.	Weight
 Emergency stop legend						
Ø 45 x 1 mm	Ø 22.5 mm	without marking	yellow		45-50K.1407	0.005 kg
 Emergency stop legend						
Ø 75 x 1 mm	Ø 22.5 mm	without marking	yellow		45-50K.1408	0.010 kg

Legend support without legend

Additional Information

- For sticking or snapping in place



Dimensions [mm]

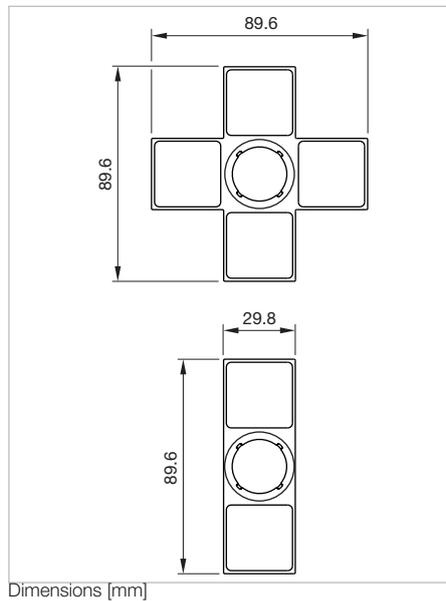
Product attribute	Material	Colour	Part No.	Weight
 <p>Legend support without legend</p>				
for legend plate 27 x 12.5 mm	Plastic	black	45-564.1102	0.002 kg
 <p>Legend support without legend</p>				
for legend plate 27 x 17.5 mm	Plastic	black	45-567.1103	0.002 kg
 <p>Legend support without legend</p>				
for legend plate 27 x 27 mm	Plastic	black	45-569.1105	0.002 kg

Product attribute	Material	Colour	Part No.	Weight
 Legend support without legend				
for legend plate 27 x 27 mm	Plastic	black	45-570.1105	0.002 kg
 Legend support without legend				
for legend plate 27 x 12.5 mm	Plastic	black	45-564.1110	0.002 kg
 Legend support without legend				
for legend plate 27 x 17.5 mm	Plastic	black	45-567.1111	0.002 kg
 Legend support without legend				
for legend plate 27 x 27 mm	Plastic	black	45-569.1112	0.002 kg

Legend support without legend for toggle stick

Additional Information

- For sticking or snapping in place



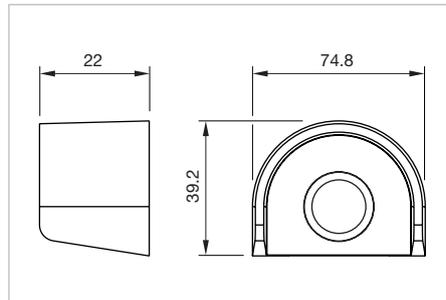
Product attribute	Material	Colour	Part No.	Weight
 Legend support without legend for toggle stick				
for legend plate 27 x 27 mm	Plastic	black	45-571.1105	0.002 kg

Product attribute	Front protection	Material	Colour	Optics	Part No.	Weight
 <p>Protective cap for Mushroom-head pushbutton</p>						
for Mushroom-head pushbutton Ø 40	IP66, IP67	Silicone	colourless	transparent	45-543.1K00	0.006 kg

Emergency stop protective shroud

Additional Information

- The protection shroud is not suitable for a proper use of emergency-stop. It can obstruct a spontaneous operation of the emergency-stop



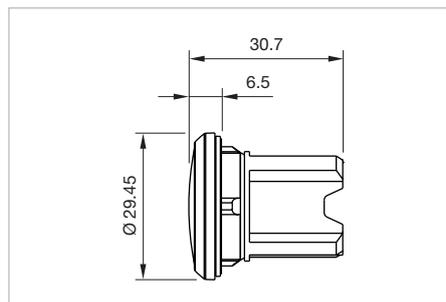
Dimensions [mm]

Material	Colour	Part No.	Weight
 <p>Emergency stop protective shroud</p>			
Plastic	yellow	45-549.1400	0.052 kg

Blind plug, IP66, IP67

Additional Information

- Use with plastic or metal holder



Dimensions [mm]

Mounting cut-out	Material	Colour	Part No.	Weight
 <p>Blind plug</p>				
Ø 22.5 mm	Plastic	black	45-506.1100	0.010 kg

45 Accessories

Mounting cut-out	Material	Colour	Part No.	Weight
 <p>Blind plug</p>				
Ø 22.5 mm	Metal sandgrey	silver	45-506.3A00	0.008 kg
 <p>Blind plug</p>				
Ø 22.5 mm	Metal shiny	silver	45-506.2A00	0.038 kg

Spare key

Additional Information

- For standard lock RONIS T254

Part No.	Weight
 <p>Two spare key</p>	
45-522.0900	0.008 kg

Keylock switch actuator

Material

Actuator element

Metal

Front ring

Plastic or metal

Actuator housing

Plastic or metal

Mechanical characteristics

Operating frequency

max. 1800/h

Mechanical lifetime

1 000 000 switching cycles

Vibration resistance

according to IEC 60068-2-6
10 ... 500 Hz: 5 g

Shock resistance

according to IEC 60068-2-27
Sinusoidal half-wave 50 g /11 ms

Environmental conditions

Operating temperature

-25 °C ... +70 °C

Storage temperature

-40 °C ... +80 °C

Protection degree

IP66, IP67, IP69K

Environmental category

during operation according to IEC 60721:
3K6, 3C3,3S2, 3M6

Selector switch actuator

Material

Actuator element

Round lever, plastic, illuminable
Short lever, plastic, illuminable
Long lever, plastic, illuminable

Front ring

Plastic or metal

Actuator housing

Plastic or metal

Mechanical characteristics

Operating frequency

max. 1800/h

Mechanical lifetime

1 000 000 switching cycles

Vibration resistance

according to IEC 60068-2-6
10 ... 500 Hz: 5 g

Shock resistance

according to IEC 60068-2-27
Sinusoidal half-wave 50 g /11 ms

Environmental conditions

Operating temperature

-25 °C ... +70 °C

Storage temperature

-40 °C ... +80 °C

Protection degree

IP66, IP67, IP69K

Environmental category

during operation according to IEC 60721:
3K6, 3C3,3S2, 3M6