



 Focus Open
Silber 2010

 Designpreis
Deutschland
2012
NOMINIERT

 Designpreis
Deutschland
2011
NOMINIERT

 product
design
award
2010

 **reddot** design award
winner 2010

Front dimensions: Ø 28 mm
Panel cut-out: Ø 22.3 mm
Front bezel height: 2 mm
Travel: 3 mm





RONTRON-RJ-Edelstahl




01 Pushbutton Heads	page 130	07 USB/RJ45 Jacks	page 138
02 Individual Membrane Pushbuttons	page 131	08 Pilot Lights	page 140
03 Selector Heads	page 132		
04 Key Actuators	page 132		
05 Acoustic Buzzers	page 134		
06 Pilot Lights	page 136		
		Contact Blocks / Lampholders	page 414



 degree of protection

 illuminating option

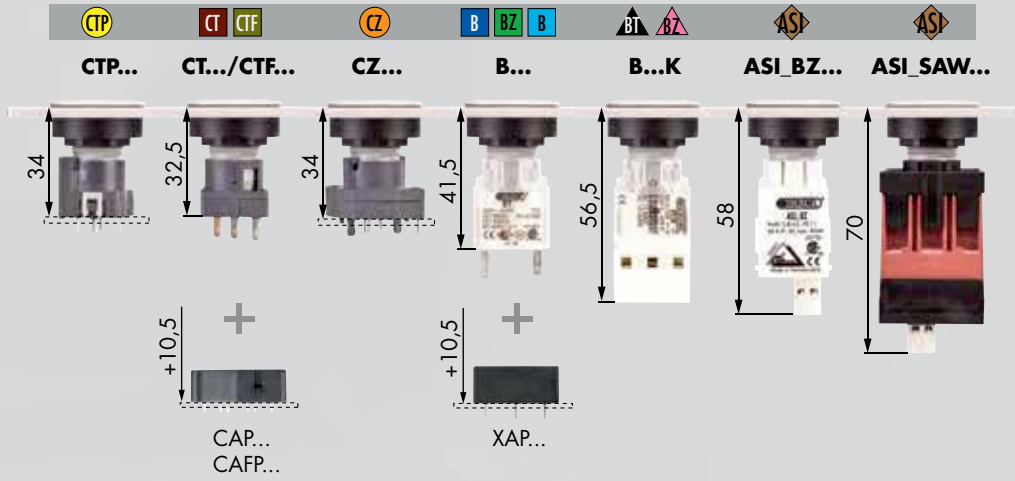
 operating travel

 labelling option

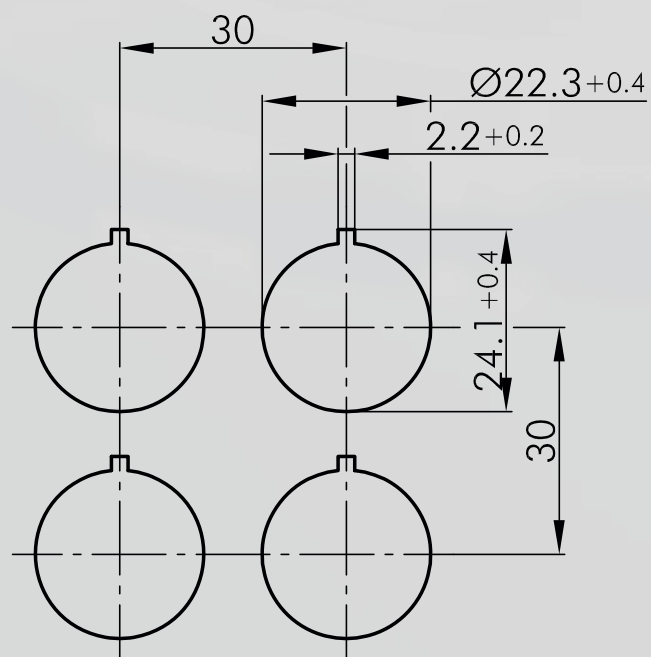


- CT**
CT...
Contact Blocks
Faston terminals
page 510
- CZ**
CZ...
Contact Blocks
PCB-mount terminals
page 502
- CTP**
CTP...
Contact Blocks
PCB-mount terminals
page 486
- CTF**
CTF...
Contact Blocks
Faston terminals
page 494
- PTP**
PT...
Contact Blocks
PCB-mount terminals
page 518
- PTF**
PT...
Contact Blocks
Faston terminals
page 518
- B**
BZ
B...
Contact Blocks
Faston terminals
page 434
- BT**
BT
B...
Contact Blocks
Screw connections
page 476
- AS**
ASL...
Contact Blocks
for AS-Interface
page 558
- AS**
ASL...
Contact Blocks
for AS-Interface
Safety @ Work
page 564

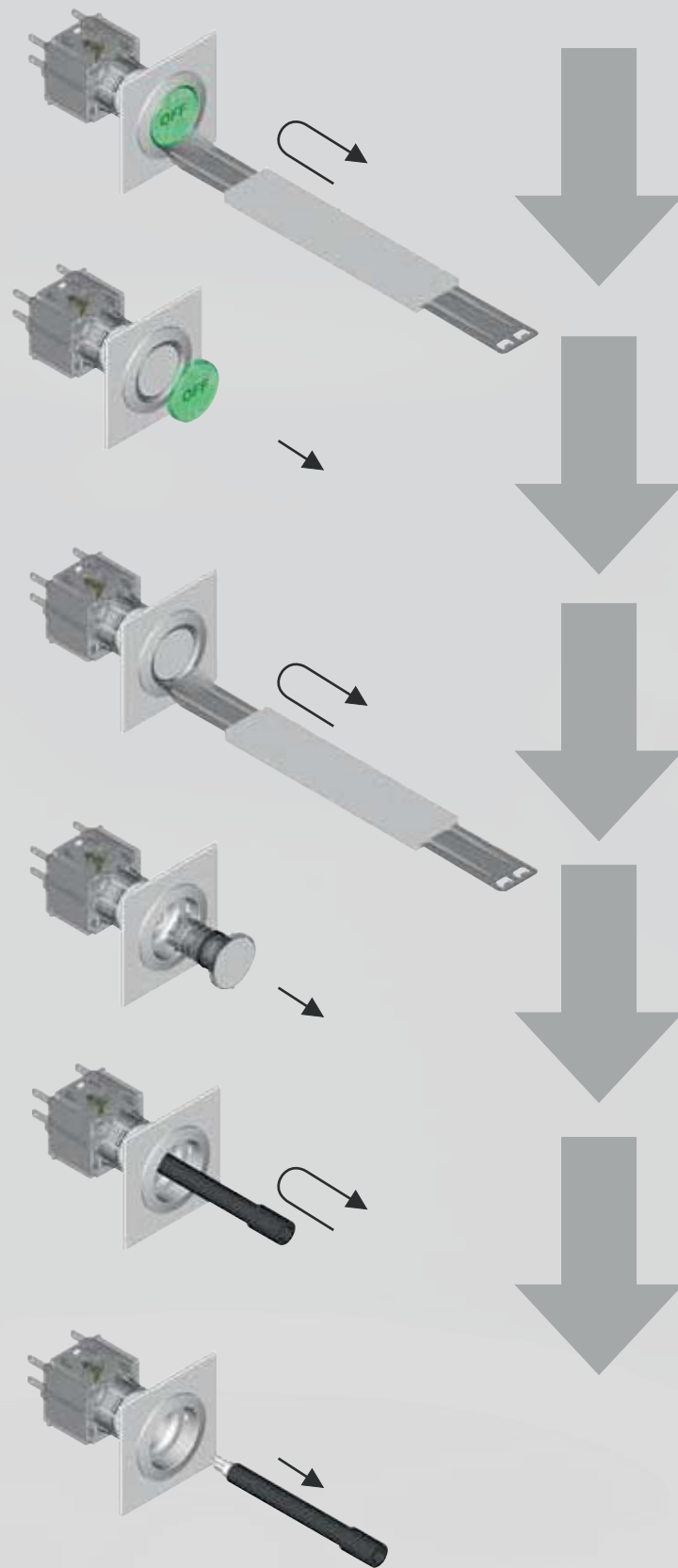
Mounting Depth Dimensions



Cutout Dimensions



Mounting and Service Instructions



RONTRON-RJ-stainless steel

Ø 22 mm

Pushbutton Heads (momentary/push-push)

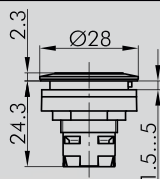
made of stainless steel V4A (1.4404),
lenses and nameplates to be ordered separately

Illustration

Dimensions

Description

Type



Pushbutton Head

suitable contact blocks



front bezel

metallic

RRJVAT



Flat Lens, transparent

colour

blue

T22RRBL

yellow

T22RRGB

green

T22RRGN

clear

T22RRKL

red

T22RRRT

opalwhite

T22RRWS



Flat Lens, non-transparent

colour

blue

T22RRGBL

yellow

T22RRGGB

green

T22RRGGN

black

T22RRGSW

red

T22RRGRT

white

T22RRGWS



Blank Nameplate

BSRRU



Nameplate

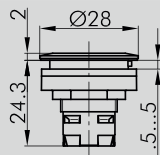
with standard imprint, please specify index number (see nameplates on pages 410)

BSRR...

Nameplate

with special imprint according to customer's specifications

BSRRB



Pushbutton Head with ring illumination

including push-cap, inscription on request

suitable contact blocks



front bezel

metallic

RRJVATLR

Membrane Pushbuttons

made of stainless steel V4A (1.4404)

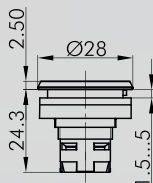
Illustration

Dimensions

Description

Type

IP66
IP69K



V4A Stainless Steel Membrane Key

combining the advantages of a membrane keypad with the flexibility of conventional actuators, with blank nameplate. Standard inscription (see page#) or special imprints on request.



suitable contact blocks



front ring	black	RRJVAFT RRJVAFTRT RRJVAFTGN
front bezel	metallic	
front ring	red	
front ring	green	

RONTRON-RJ-stainless steel

Ø 22 mm




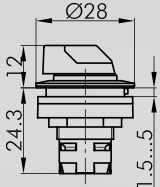


















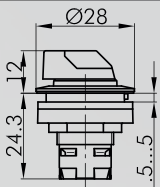


















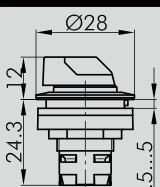






Knob Set for potentiometers
made of stainless steel V4A (1.4404)
Selector Heads (momentary/maintained)

I = Switching position
> = Spring return

Illustration	Dimensions	Description	Type
		<p>Knob Set for potentiometers for potentiometers of 6 mm shaft dia. and thread M10 x 0.75. Delivery without potentiometer. Shaft length: approx. 32 mm front bezel metallic</p>	RRJVAR
		<p>Selector Head, maintained suitable contact blocks front bezel metallic suitable contact blocks front bezel metallic</p>	RRJVAWA RRJVAWB
		<p>Selector Head, momentary suitable contact blocks front bezel metallic suitable contact blocks front bezel metallic</p>	RRJVASTA RRJVASTB
		<p>Illuminated Selector Head, left maintained, right momentary suitable contact blocks front bezel metallic</p>	RRJVAWC

Selector Heads (momentary/maintained)
made of stainless steel V4A (1.4404)

⊥ = Switching position
> = Spring return

Illustration	Dimensions	Description	Type
  		<p>Illuminated Selector Head, maintained Knob available in blue-BL, yellow-GB, clear-KL, green-GN, red-RT (e.g. RRJVAWAL_GN)</p> <p>suitable contact blocks        </p> <p>front bezel metallic</p> <p>suitable contact blocks     </p> <p>front bezel metallic</p>	 <p>RRJVAWAL...</p>  <p>RRJVAWBL...</p>
  		<p>Illuminated Selector Head, momentary Knob available in blue-BL, yellow-GB, clear-KL, green-GN, red-RT (e.g. RRJVASTAL_GN)</p> <p>suitable contact blocks        </p> <p>front bezel metallic</p> <p>suitable contact blocks     </p> <p>front bezel metallic</p>	 <p>RRJVASTAL...</p>  <p>RRJVASTBL...</p>
  		<p>Illuminated Selector Head, left maintained, right momentary Knob available in blue-BL, yellow-GB, clear-KL, green-GN, red-RT (e.g. RRJVAWCL_GN)</p> <p>suitable contact blocks     </p> <p>front bezel metallic</p>	 <p>RRJVAWCL...</p>

RONTRON-RJ-stainless steel

Ø 22 mm

Key Actuators (momentary/maintained)
made of stainless steel V4A (1.4404)

I = Switching position
> = Spring return
O = Key removable position

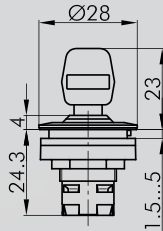
Illustration

Dimensions

Description

Type

IP65



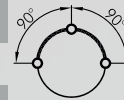
Key Actuator, maintained

including two keys
other lock types on request

suitable contact blocks



front bezel metallic

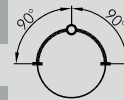


RRJVASSA12

suitable contact blocks



front bezel metallic

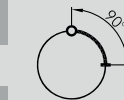


RRJVASSA13

suitable contact blocks



front bezel metallic

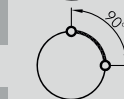


RRJVASSA14

suitable contact blocks



front bezel metallic



RRJVASSA15

suitable contact blocks



front bezel metallic



RRJVASSA16

suitable contact blocks



front bezel metallic



RRJVASSA17

suitable contact blocks

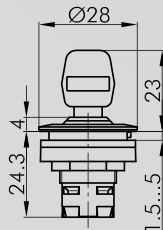


front bezel metallic



RRJVASSA18

IP65



Key Actuator, maintained (individually keyed)

requires 3 keys:

1st key: two-way operation

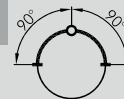
2nd key: operation to the left only

3rd key: operation to the right only

suitable contact blocks



front bezel metallic



RRJVASSA31

Key Actuators (momentary/maintained)
made of stainless steel V4A (1.4404)

- I = Switching position
- > = Spring return
- = Key removable position

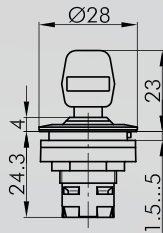
Illustration

Dimensions

Description

Type

IP65



Key Actuator, momentary

including two keys
other lock types on request

suitable contact blocks



front bezel metallic

suitable contact blocks



front bezel metallic

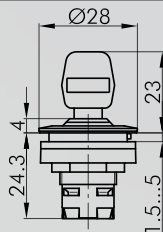


RRJVASSA23



RRJVASSA28

IP65



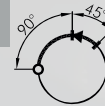
Key Actuator, left maintained, right momentary

including two keys
other lock types on request

suitable contact blocks



front bezel metallic



RRJVASSA25



Standard Spare Keys

standard spare key, specify key number for special locks

ESMIC482

RONTRON-RJ-stainless steel

Ø 22 mm

Buzzers

made of stainless steel V4A (1.4404)

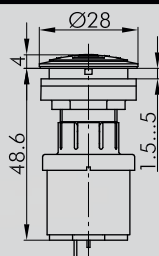
Illustration

Dimensions

Description

Type

IP65

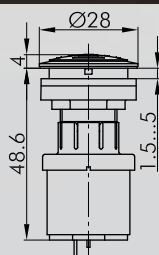


Buzzer

operating voltage: 12 ... 24V AC/DC
operating current: max. 30mA
signal frequency: 3.5 +/- 0.5 Hz
volume: max. 85 db (10cm, 24V)
max. 80 db (10cm, 12V)
operating temperature: -20°C ... 60°C
front bezel: metallic

**RRJVANSG+
SG-24V**

IP65

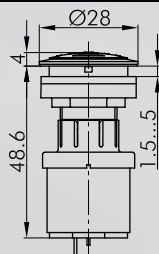


Interval Buzzer

operating voltage: 12 ... 24V AC/DC
operating current: max. 30mA
signal frequency: 3.5 +/- 0.5 Hz
volume: max. 85 db (10cm, 24V)
max. 80 db (10cm, 12V)
interval: 1 s
operating temperature: -20°C ... 60°C
front bezel: metallic

**RRJVANSG+
SGI-24V**

IP65

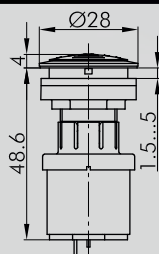


Illuminated Buzzer

Operating voltage: 12 ... 24V AC/DC
Operating current: approx. 30mA
Signal frequency: 3.5 +/- 0.5 kHz
Volume: max. 85 db (10cm, 24V)
max. 80 db (10cm, 12V)
Operating temperature: -20°C ... 60°C
front bezel: metallic

**RRJVANSGL+
SGLR-24V**

IP65



Illuminated Interval Buzzer

Operating voltage: 12 ... 24V AC/DC
Operating current: approx. 30mA
Signal frequency: 3.5 +/- 0.5 kHz
Volume: max. 85 db (10cm, 24V)
max. 80 db (10cm, 12V)
Interval: 1s
Operating temperature: -20°C ... 60°C
front bezel: metallic

**RRJVANSGL+
SGILR-24V**



Double Faston

for the connection of 2 Faston clamps FH2.8

FD2,8

Accessories for Contact blocks

Illustration

Dimensions

Description

Type



Faston Clamp 2.8 x 0.8 mm with snap-in pin

Cross section 0.75 - 1.50 mm², brass, with pin to snapfit into the socket XA, XAL and the insulating case IH2.8

FH2,8



Insulating Case

for Faston clamp FH2,8, slip on from the front

IH2,8


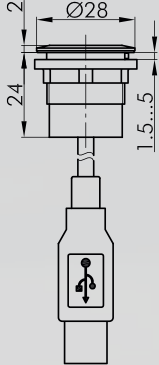

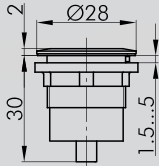

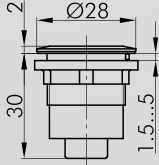

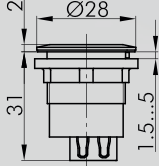

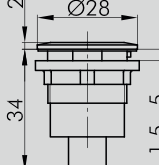
- Order
- Central Units
- Accessories
- Bus Technology
- Pushbutton
- Limit Switches
- Photo Switches
- Terminal Blocks

RONTRON-RJ-stainless steel

Ø 22 mm


USB Sockets

made of stainless steel V4A (1.4404)

Illustration	Dimensions	Description	Type
		<p>USB Jack front: USB jack: type A</p> <p>rear: USB2.0 cable (length 60 cm) with connector type A</p> <p>front bezel metallic</p>	RRJVA_USB
		<p>USB Jack front: USB jack: type A</p> <p>rear: USB jack: type A</p> <p>front bezel metallic</p>	RRJVA_USB_AA
		<p>USB Jack front: USB jack: type A</p> <p>rear: USB jack: type B</p> <p>front bezel metallic</p>	RRJVA_USB_AB
		<p>USB Jack front: USB jack: type B</p> <p>rear: USB jack: type A</p> <p>front bezel metallic</p>	RRJVA_USB_BA
		<p>USB Jack front: USB jack: type B</p> <p>rear: USB jack: type B</p> <p>front bezel metallic</p>	RRJVA_USB_BB

USB Sockets

made of stainless steel V4A (1.4404)

Illustration	Dimensions	Description	Type
		<p>USB3.0 Jack front: USB jack: type A</p> <p>rear: USB jack: type A front bezel</p>	metallic RRJVA_USB3_AA
		<p>Fire Wire Jack front: Fire Wire jack</p> <p>rear: Fire Wire jack front bezel</p>	metallic RRJVA_FW6_STB
		<p>RJ45 Jack front: RJ45 jack with screen</p> <p>rear: 60cm cable with screened RJ45 connector front bezel</p>	metallic RRJVA_RJ45
		<p>RJ45 Jack front: RJ45 jack with screen</p> <p>rear: RJ45 jack with screen front bezel</p>	metallic RRJVA_RJ45_STB

RONTRON-RJ-stainless steel

Ø 22 mm

Pilot Light Heads/Pilot Lights

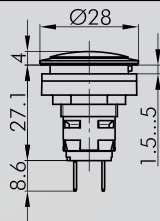
made of stainless steel V4A (1.4404),
lenses and nameplate to be ordered separately

Illustration

Dimensions

Description

Type



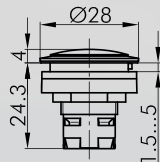
Pilot Light with Faston terminals 2.8x0.8 mm

W2x4.6d socket

front bezel

metallic

RRJVAL4



Pilot Light Head

suitable lampholders



front bezel

metallic

RRJVAN



Lens

colour

blue

K22RRBL

yellow

K22RRGB

green

K22RRGN

clear

K22RRKL

red

K22RRRT

opalwhite

K22RRWS



Blank Nameplate

BSRRU



Nameplate

with standard imprint, please specify index number (see nameplates on pages 410)




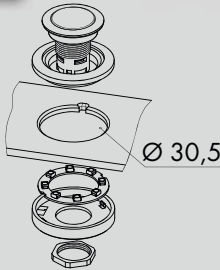

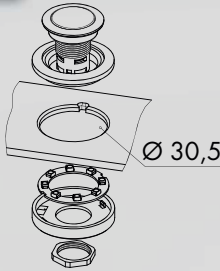
BSRR...

Nameplate

with special imprint according to customer's specifications

BSRRB

Accessories for Actuators

Illustration	Dimensions	Description	Type
		Hexagonal Mounting Tool with torque limitation, for the series OKTRON, OKTRON-JUWEL, OKTRON-R, RONTRON-R-JUWEL, RONTRON-R-Exclusive, RONTRON-Q- JUWEL, RONTRON-Q-Exclusive, QUARTRON(-L), QUARTRON- JUWEL(-L), RX, RX-JUWEL	S16
		Mounting Tool Adapter with 1/4" connections for mounting tools S16 and S22	SRA
<p>IP65</p>  		<p>LED-illuminated Ring for status indication or additional illumination</p> <ul style="list-style-type: none"> - for an additional light signal - rated voltage: 24V AC/DC - rated current: 25 ... 35 mA (DC) - 30.5 mm mounting aperture - Connection: for JST plug ZHR-3 <p>delivery without actuator</p> <p>LED colour</p>	<p>LR22K_24B</p> <p>LR22K_24W</p> <p>LR22K_24R</p> <p>LR22K_24G</p>
<p>IP65</p>  		<p>Two-colour Alternate LED-illuminated Ring for status indication</p> <ul style="list-style-type: none"> - for two alternate light signals - rated voltage: 24V AC/DC - rated current: green 12mA (D) / red 17mA (DC) - 30.5 mm mounting aperture - Connection: for JST plug ZHR-3 <p>delivery without actuator</p> <p>LED colour</p>	<p>LR22K_24R_G</p>

Ø 22 mm

Accessories for Actuators

Illustration	Dimensions	Description	Type
		Connection Cable with open end, to connect the LED-illuminated rings to a voltage supply source, length approx. 80 cm, cross section 0.14 mm ²	VK_JST3_014
		External Nameplate Holder for outside marking of the actuators of the RONTRON-R-JUWEL series, accepts self-adhesive nameplates, mountable from the front	RRJABT
		colour transparent	
		Self-adhesive Nameplate - laser-printed Inscription according to customer's specification Dimensions: 22 x 11 mm	BZ16G
		Self-adhesive Nameplate - blank Dimensions: 22 x 11 mm	BZ16U
		Self-adhesive Nameplate with standard inscription, please specify index no. (see nameplates) Dimensions: 22 x 11 mm	BZ16B...
		Lead-sealable Protective Lid	KDP22RR
		colour transparent	
		Protective Lid made of TPE	AK22RRSW
		colour black	

Accessories for Actuators

Illustration	Dimensions	Description	Type
		Lamp Remover	LZ-MG
		Universal Lens Remover	USK

- Order
- Central Units
- Accessories
- Bus Technology
- Pushbutton
- Limit Switches
- Photo Switches
- Special Models