



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



DESIGNPREIS  
2007

NOMINIERT



Designpreis  
Deutschland  
2011

NOMINIERT



Designpreis  
Deutschland  
2012

NOMINIERT



Focus Open  
Silber 2010



reddot design award  
winner 2010



product  
design  
award

2010



# RONTRON-R-JUWEL

 Product configurator



## Overview RONTRON-R-JUWEL series



01 Pushbutton heads

02 Emergency-stop heads

03 Knob set for potentiometers

04 Selector heads

05 Key actuators

06 Buzzers

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07 Panel mount jacks

08 Pilot light heads / pilot lights

Contact blocks/lampholders

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## Housing colours



degree of protection



operating travel



tactile

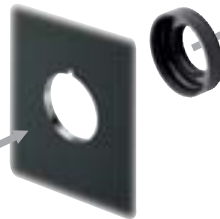


illuminating option



labelling option





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 Contact blocks  
 Faston terminals  
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**CZ...**  
 Contact blocks  
 PCB-mount terminals  
**page 494**
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**CTP...**  
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 for AS-Interface  
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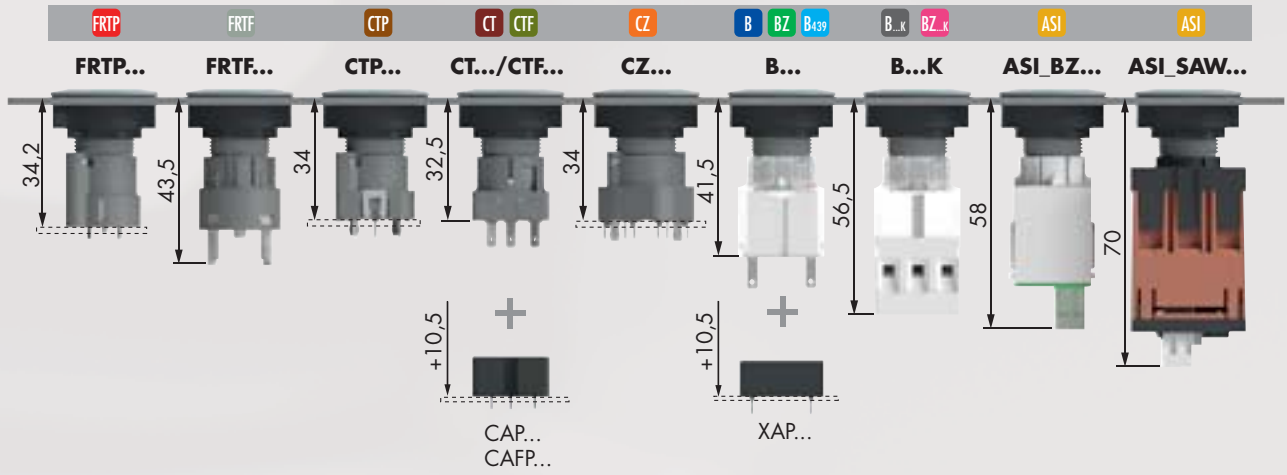
Enclosures

Pedal Switches

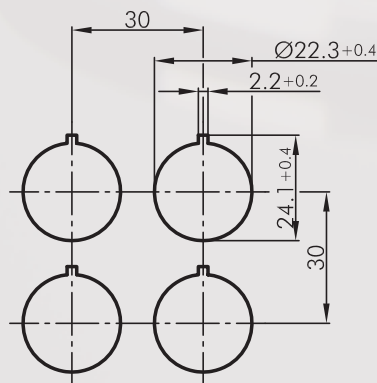
Terminal Blocks

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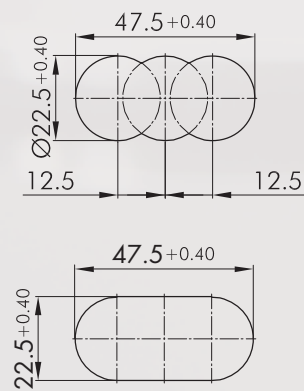
## Mounting depth dimensions



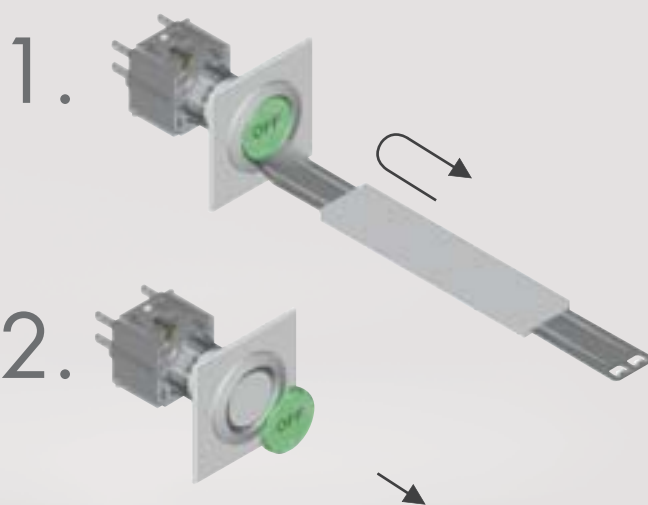
## Cutout dimensions



## RRJDTLR



## Mounting and service instructions



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# RONTRON-R-JUWEL

Ø 22.3 mm

MADE IN GERMANY



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## Pushbuttons

lenses and nameplates to be ordered separately

Illustration	Dimensions	Description	Type
<p>IP65 IP66 3 mm Sun icon Triangle icon</p>	<p>2.3 Ø28 24.3 1.5...5</p>	<p><b>Pushbutton head</b></p> <p>suitable contact blocks:  <span>ASI</span> <span>AZ</span> <span>B</span> <span>B...x</span> <span>BZ</span> <span>BZ...x</span> <span>B439</span> <span>CT</span> <span>CTF</span> <span>CTP</span> <span>CZ</span></p> <p>front bezel: silver-coloured                      stainless steel, polished                      black</p>	<p>RRJT RRJVAT RRJTSW</p>
<p>IP65 3 mm Triangle icon</p>	<p>2.3 Ø28 33.4 7.7 1.5...5 2.8x0.8</p>	<p><b>Pushbutton 1 NO</b></p> <p>with 2 Faston terminals 2.8x0.8 mm                      250 V, 6(4) A, AC                      Connection type: Faston terminals 2.8x0.8 mm                      Contact material: AgNi</p> <p>CE</p> <p>front bezel: silver-coloured                      black</p>	<p>RRJT RRJTISW</p>
<p>IP65 IP66 3 mm Sun icon</p>	<p>2 Ø28 24.3 1.5...5</p>	<p><b>Pushbutton head with ring illumination</b></p> <p>incl. lens</p> <p>suitable contact blocks:  <span>ASI</span> <span>AZ</span> <span>B</span> <span>B...x</span> <span>BZ</span> <span>BZ...x</span> <span>B439</span> <span>CT</span> <span>CTF</span> <span>CTP</span> <span>CZ</span></p> <p>front bezel: silver-coloured                      stainless steel, polished                      black</p>	<p>RRJTLR RRJVATLR RRJTLRSW</p>
<p>IP65 IP66 3 mm Sun icon Triangle icon</p>	<p>2 Ø28 24.3 1.5...5</p>	<p><b>Pushbutton head with ring illumination and laser printing</b></p> <p>incl. lens                      with laser printing translucent standard imprints see nameplates from page 634 (please specify index number)                      special inscription on request</p> <p>suitable contact blocks:  <span>ASI</span> <span>AZ</span> <span>B</span> <span>B...x</span> <span>BZ</span> <span>BZ...x</span> <span>B439</span> <span>CT</span> <span>CTF</span> <span>CTP</span> <span>CZ</span></p> <p>front bezel: silver-coloured                      stainless steel, polished                      black</p>	<p>RRJTLRL... RRJVATLRL... RRJTLRLSW...</p>
<p>IP65 3 mm Sun icon</p>	<p>1.6.5 53x28 2.0 24.3</p>	<p><b>Double pushbutton head with ring illumination silver-coloured</b></p> <p>laser printing on request</p> <p>suitable contact blocks:  <span>BZ</span> <span>BZ...x</span> <span>CT</span> <span>CZ</span></p> <p>front bezel: silver-coloured</p>	<p>RRJDTLR</p>

## Pushbuttons

Illustration

Dimensions

Description

Type

**IP65**  
3mm  
Sun icon

**Double pushbutton head with ring illumination silver-coloured, red/green**

suitable contact blocks:  
BZ BZ.x CT CZ

front bezel: silver-coloured

lens-cap: red/green

**RRJDTLRGRBW\_0003**

**IP65**  
3mm  
Sun icon

**Double pushbutton head with ring illumination and high, red lens, silver-coloured**

suitable contact blocks:  
BZ BZ.x CT CZ

front bezel: silver-coloured

lens-cap: red/green

**RRJDTLRHGR**

## Accessories

**Flat lens, transparent**

colour:

blue		T22RRBL
yellow		T22RRGB
green		T22RRGN
clear		T22RRKL
red		T22RRRT
opal white		T22RRWS

**Flat lens, non-transparent**  
for pushbuttons without inscription and illumination

colour:

blue		T22RRGBL
yellow		T22RRGGB
green		T22RRGGN
black		T22RRGSW
red		T22RRGRT
white		T22RRGWS
silver-coloured		T22RRGM

**High lens, transparent**

colour:

blue		T22HRRBL
yellow		T22HRRGB
green		T22HRRGN
clear		T22HRRKL
red		T22HRRRT
opal white		T22HRRWS

**Blank nameplate**

**BSRRU**

Ø18



# RONTRON-R-JUWEL

Ø 22.3 mm

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## Membrane Pushbuttons

made of stainless steel V4A (1.4404)

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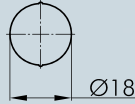
Type Index

Illustration

Dimensions

Description

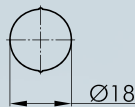
Type



### Nameplate with standard imprint

please specify index number (see nameplates from page 634)

BSRR...

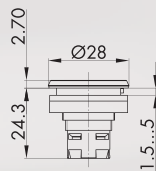


### Nameplate with special imprint

according to customer's specification

BSRRB

IP66  
IP69K



### Membrane pushbutton head

combining the pushbuttons of a membrane keypad with the flexibility of conventional actuators, with blank nameplate, standard imprints (see from page 634) or special imprints on request

suitable contact blocks:



front bezel:	stainless steel, polished		
front ring:	black		RRJVAFT
front bezel:	stainless steel, polished		
front ring:	green		RRJVAFTGN
front bezel:	stainless steel, polished		
front ring:	red		RRJVAFTRT
front bezel:	black		
front ring:	black		RRJFTSW

## Mushroom Pushbuttons

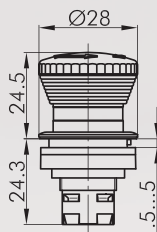
Illustration

Dimensions

Description

Type

IP65  
IP67  
3 mm





### Emergency-stop head

Foolproof: yes  
Switching position indicator: yes  
Permissive Contact: no  
Anti-lock collar: no  
Release: twist right or left  
Standard: EN 60947-5-1, EN 60947-5-5, EN ISO 13850



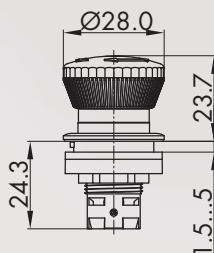
suitable contact blocks:

ASI AZ BZ BZ.k FRTP PTP

front bezel: yellow   
Mushroom head: red 

RRJUV



IP65  
IP67  
3 mm  

### Illuminated emergency-stop head

Foolproof: yes  
Switching position indicator: yes  
Permissive Contact: no  
Anti-lock collar: no  
Release: twist right or left  
Standard: EN 60947-5-1, EN 60947-5-5, EN ISO 13850



front bezel: yellow   
Mushroom head: red 

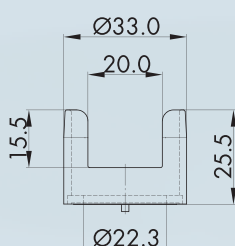
RRJVL



### For further emergency-stops, please refer to the chapter "Emergency-Stop Head" starting on page 594


The emergency-stop heads can also be supplied as latching mushroom heads with mushrooms in different colours.

## Accessories



### Protective shroud



colour: yellow 

RRSK

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## Potentiometers

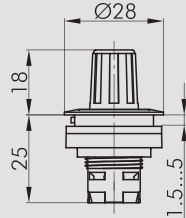
Illustration

Dimensions

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IP65



### Knob set for potentiometers

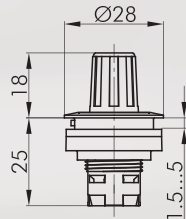
for potentiometers of 6 mm shaft dia. and thread M10 x 0.75  
delivery without potentiometer  
shaft length: approx. 32 mm

front bezel: silver-coloured  
stainless steel, polished  
black



RRJR  
RRJVAR  
RRJRSW

IP65



### Knob set for incremental encoder

with rotary knob, but without encoder for encoders with 6 mm shaft  
dia. and thread M7x0,75  
shaft length approx. 32mm

front bezel: silver-coloured



RRJE



**Selector Switches** (momentary/maintained)

I = Switching position  
> = Spring return

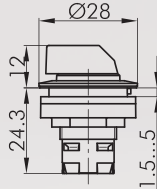
Illustration

Dimensions

Description

Type

IP65



**Selector head, maintained**

suitable contact blocks:

ASI AZ B B...k BZ BZ.k B439 CT CTF CTP CZ

front bezel: silver-coloured  
stainless steel, polished  
black



RRJWA  
RRJVAWA  
RRJWASW

suitable contact blocks:

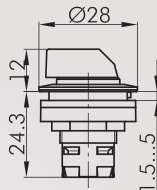
ASI AZ BZ BZ.k B439 CT CZ

front bezel: silver-coloured  
stainless steel, polished  
black



RRJWB  
RRJVAWB  
RRJWBSW

IP65



**Selector head, momentary**

suitable contact blocks:

ASI AZ BZ BZ.k CT CTF CTP CZ FRTF FRTF

front bezel: silver-coloured  
stainless steel, polished



RRJSTA  
RRJVASTA

suitable contact blocks:

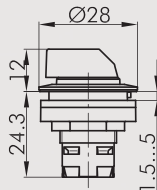
ASI AZ BZ BZ.k B439 CT CZ

front bezel: silver-coloured  
stainless steel, polished



RRJSTB  
RRJVSTB

IP65



**Selector head, left maintained, right momentary**

suitable contact blocks:

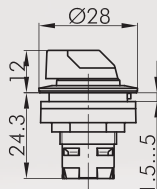
ASI AZ BZ BZ.k B439 CT CZ

front bezel: silver-coloured  
stainless steel, polished



RRJWC  
RRJVAVWC

IP65



**Illuminated selector head, maintained**

knob available in blue-BL, yellow-GB, clear-KL, green-GN, red-RT (e.g. RRJWAL\_GN)

suitable contact blocks:

ASI AZ B B...k BZ BZ.k B439 CT CTF CTP CZ

front bezel: silver-coloured  
stainless steel, polished  
black



RRJWAL...  
RRJVAVAL...  
RRJWALS...W...

suitable contact blocks:

ASI AZ BZ BZ.k B439 CT CZ

front bezel: silver-coloured  
stainless steel, polished  
black



RRJWBL...  
RRJVAVBL...  
RRJWBSL...W...

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Ø 22.3 mm

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I = Switching position  
> = Spring return

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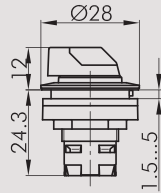
Illustration

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IP65



### Illuminated selector head, momentary

knob available in blue-BL, yellow-GB, clear-KL, green-GN, red-RT (e.g. RRJSTAL\_GN)

suitable contact blocks:

ASI AZ B B...K BZ BZ...K B439 CT CTF CTP CZ

front bezel: silver-coloured  
stainless steel, polished



RRJSTAL...  
RRJVASTAL...

suitable contact blocks:

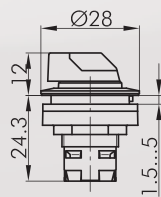
ASI AZ BZ BZ...K B439 CT CZ

front bezel: silver-coloured  
stainless steel, polished



RRJSTBL...  
RRJVASTBL...

IP65



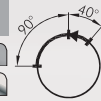
### Illuminated selector head, left maintained, right momentary

knob available in blue-BL, yellow-GB, clear-KL, green-GN, red-RT (e.g. RRJWCL\_GN)

suitable contact blocks:

ASI AZ BZ BZ...K B439 CT CZ

front bezel: silver-coloured  
stainless steel, polished



RRJWCL...  
RRJWVWCL...

**Selector Switches** (momentary/maintained)

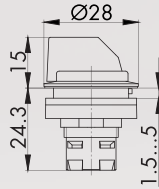
Illustration

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IP65



**Selector head for desert application, maintained silver-coloured**

tested with coarse Arizona dust

suitable contact blocks:

ASI AZ B B...K BZ BZ...K B439 CT CTF CTP CZ

front bezel: silver-coloured



RRJWA\_514

suitable contact blocks:

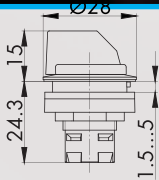
ASI AZ BZ BZ...K CT CZ

front bezel: silver-coloured



RRJWB\_514

IP65



**Selector head for desert application, momentary, silver-coloured**

tested with coarse Arizona dust

suitable contact blocks:

ASI AZ BZ BZ...K CT CZ

front bezel: silver-coloured



RRJSTB\_514



# RONTRON-R-JUWEL

Ø 22.3 mm

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**Key Switches** (momentary/maintained)

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

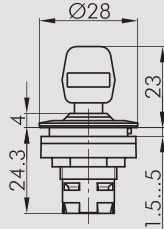
Illustration

Dimensions

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IP65



## Key actuator, maintained

including two keys  
other lock types on request

suitable contact blocks:

ASI AZ BZ BZ.k B439 CT CZ

front bezel: silver-coloured  
stainless steel, polished



suitable contact blocks:

ASI AZ BZ BZ.k B439 CT CZ

front bezel: silver-coloured  
stainless steel, polished



suitable contact blocks:

ASI AZ B B.k BZ BZ.k B439 CT CTF CTP CZ

front bezel: silver-coloured  
stainless steel, polished  
black



suitable contact blocks:

ASI AZ B B.k BZ BZ.k B439 CT CTF CTP CZ

front bezel: silver-coloured  
stainless steel, polished  
black



suitable contact blocks:

ASI AZ B B.k BZ BZ.k B439 CT CTF CTP CZ

front bezel: silver-coloured  
stainless steel, polished



suitable contact blocks:

ASI AZ B B.k BZ BZ.k B439 CT CTF CTP CZ

front bezel: silver-coloured  
stainless steel, polished  
black



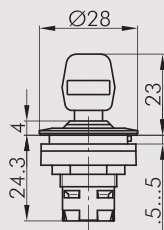
suitable contact blocks:

ASI AZ B B.k BZ BZ.k B439 CT CTF CTP CZ

front bezel: silver-coloured  
stainless steel, polished  
black



IP65



## Key actuator, maintained (3 different keys)

including three keys  
1st key: two-way operation  
2nd key: operation to the left only  
3rd key: operation to the right only

suitable contact blocks:

ASI AZ BZ BZ.k B439 CT CZ

front bezel: silver-coloured  
stainless steel, polished



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**Key Switches** (momentary/maintained)

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

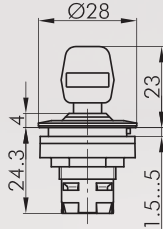
Illustration

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**Key actuator, momentary**

including two keys  
other lock types on request

suitable contact blocks:

ASI AZ BZ BZ.k B439 CT CZ

front bezel: silver-coloured  
stainless steel, polished



RRJSSA23  
RRJVASSA23

suitable contact blocks:

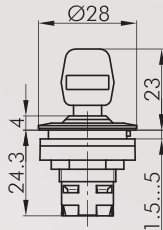
ASI AZ B B.k BZ BZ.k B439 CT CTF CTP CZ

front bezel: silver-coloured  
stainless steel, polished



RRJSSA28  
RRJVASSA28

IP65



**Key actuator, left maintained, right momentary**

including two keys  
other lock types on request

suitable contact blocks:

ASI AZ BZ BZ.k B439 CT CZ

front bezel: silver-coloured  
stainless steel, polished



RRJSSA25  
RRJVASSA25

**Accessories**



**Standard spare keys**

standard spare key, specify key number for special locks

ESMIC482

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## Buzzers

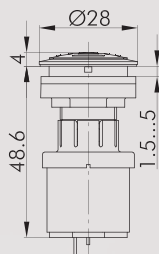
Illustration

Dimensions

Description



Type

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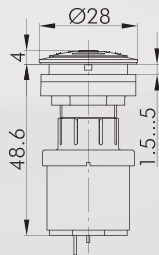
### Buzzer

operating voltage: 12 ... 24V AC/DC  
operating current: 5mA (12V DC)  
16mA (24V DC)  
signal frequency: 3.8 +/- 0.5 kHz  
volume: max. 85 db (10 cm, 24V)  
max. 80 db (10 cm, 12V)  
operating temperature: -20°C ... 60°C  
Connection type: Faston terminals 2.8x0.8 mm

front bezel: silver-coloured   
stainless steel, polished 



**RRJNSG+SG-24V**  
**RRJVANSG+SG-24V**

IP65



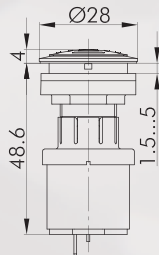
### Interval buzzer

operating voltage: 12 ... 24V DC  
operating current: max. 30mA  
signal frequency: 3.5 +/- 0.5 kHz  
volume: max. 85 db (10 cm, 24V)  
max. 80 db (10 cm, 12V)  
intervall: 1s  
operating temperature: -20°C ... 60°C  
Connection type: Faston terminals 2.8x0.8 mm

front bezel: silver-coloured   
stainless steel, polished 



**RRJNSG+SGLI-24V**  
**RRJVANSG+SGLI-24V**

IP65



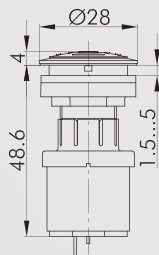
### Illuminated buzzer

operating voltage: 12 ... 24V AC/DC  
operating current: abt. 30mA  
signal frequency: 3.5 +/- 0.5 kHz  
volume: max. 85 db (10 cm, 24V)  
max. 80 db (10 cm, 12V)  
operating temperature: -20°C ... +60°C  
Connection type: Faston terminals 2.8x0.8 mm

front bezel: silver-coloured   
stainless steel, polished 



**RRJNSGL+SGLR-24V**  
**RRJVANSGL+SGLR-24V**

IP65





### Illuminated interval buzzer

operating voltage: 12 ... 24V DC  
operating current: abt. 30mA  
signal frequency: 3.5 +/- 0.5 kHz  
volume: max. 85 db (10 cm, 24V)  
max. 80 db (10 cm, 12V)  
intervall: 1s  
operating temperature: -20°C ... +60°C  
Connection type: Faston terminals 2.8x0.8 mm

front bezel: silver-coloured   
stainless steel, polished 

**RRJNSGL+SGLR-24V**  
**RRJVANSGL+SGLR-24V**

## Accessories for Pushbuttons and Switches

Illustration	Dimensions	Description	Type
<b>Accessories</b>			
		<b>Faston clamp 2.8 x 0.8 mm with snap-in pin</b> cross section 0.75 - 1.50 mm <sup>2</sup> , tin-plated brass, with pin to snapfit into the sockets XA, XAL and the insulating case IH2.8	FH2,8
		<b>Insulating case</b> for Faston clamp FH2,8, slip on from the front	IH2,8

## Panel Mount Jacks

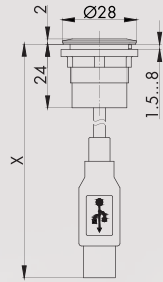
other cable lengths on request

Illustration

Dimensions




Description

Type

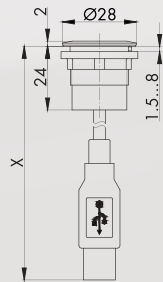


### USB2.0 jack A/connector A (60 cm)

front:  
USB2.0 jack type A  
rear:  
USB2.0 cable (length X=600 mm) with plug type A  
Attention: Mounting position of the USB jack does not comply with the USB2.0 specification




front bezel:            silver-coloured              
                                 stainless steel, polished     
                                 black                            

RRJ\_USB  
RRJVA\_USB  
RRJ\_USB\_SW

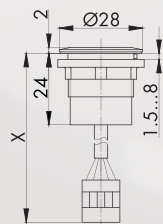


### USB3.0 jack A/connector A (60 cm)

front:  
USB3.0 jack type A  
rear:  
USB3.0 cable (length X=600 mm) with plug type A


front bezel:            silver-coloured              
                                 stainless steel, polished     
                                 black                            

RRJ\_USB3  
RRJVA\_USB3  
RRJ\_USB3\_SW

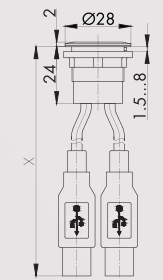


### USB2.0 jack A/connector socket housing (100 cm)

front:  
USB2.0 jack type A  
rear:  
USB2.0 cable (length X =1000 mm) with 5-pole socket housing (grid dimension 2.54 mm) for direct connection to a motherboard




front bezel:            silver-coloured            

RRJ\_USB100CM\_673



### Double USB2.0 jack A/connector A (60 cm)

front:  
2x USB2.0 jack type A  
rear:  
2x USB2.0 cable (length X=600 mm) with plug type A

front bezel:            silver-coloured              
                                 stainless steel, polished     
                                 black                            

RRJ\_2USB  
RRJVA\_2USB  
RRJ\_2USB\_SW

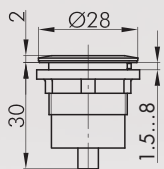
## Panel Mount Jacks

Illustration

Dimensions

Description

Type



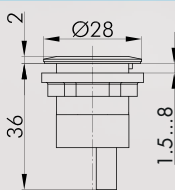
### USB2.0 jack A/jack A

front:  
USB2.0 jack type A  
rear:  
USB2.0 jack type A

front bezel:            silver-coloured  
                                 stainless steel, polished  
                                 black



**RRJ\_USB\_AA**  
**RRJVA\_USB\_AA**  
**RRJ\_USB\_SW\_AA**



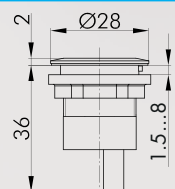
### USB3.0 jack A/jack A

pinout 1:1  
front:  
USB3.0 jack type A  
rear:  
USB3.0 jack type A

front bezel:            silver-coloured  
                                 stainless steel, polished  
                                 black



**RRJ\_USB3\_AA**  
**RRJVA\_USB3\_AA**  
**RRJ\_USB3\_SW\_AA**



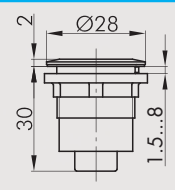
### USB3.0 jack A/jack A (twisted data line)

pinout: twisted data line  
front:  
USB3.0 jack type A  
rear:  
USB3.0 jack type A

front bezel:            silver-coloured  
                                 stainless steel, polished



**RRJ\_USB3\_AA\_633**  
**RRJVA\_USB3\_AA633**



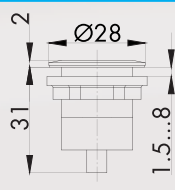
### USB2.0 jack A/jack B

front:  
USB2.0 jack type A  
rear:  
USB2.0 jack type B

front bezel:            silver-coloured  
                                 stainless steel, polished  
                                 black



**RRJ\_USB\_AB**  
**RRJVA\_USB\_AB**  
**RRJ\_USB\_SW\_AB**



### USB2.0 jack B/jack A

front:  
USB2.0 jack type B  
rear:  
USB2.0 jack type A

front bezel:            silver-coloured  
                                 stainless steel, polished  
                                 black



**RRJ\_USB\_BA**  
**RRJVA\_USB\_BA**  
**RRJ\_USB\_SW\_BA**



# RONTRON-R-JUWEL

Ø 22.3 mm

MADE IN GERMANY



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## Panel Mount Jacks

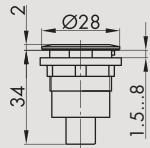
made of stainless steel V4A (1.4404)

Illustration

Dimensions

Description

Type



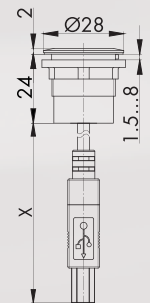
### USB2.0 jack B/jack B

front:  
USB2.0 jack type B  
rear:  
USB2.0 jack type B

front bezel: silver-coloured  
stainless steel, polished



RRJ\_USB\_BB  
RRJVA\_USB\_BB



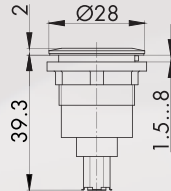
### USB2.0 jack B/connector B (50 cm)

front:  
USB2.0 jack type B  
rear:  
USB2.0 cable (length X = 500 mm) with plug type B

front bezel: silver-coloured



RRJ\_USB\_BB\_50CM



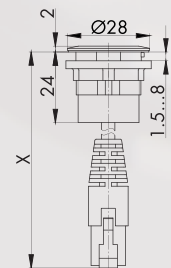
### Fire wire jack/jack

front:  
Fire Wire jack  
rear:  
Fire Wire jack

front bezel: silver-coloured  
stainless steel, polished



RRJ\_FW6\_STB  
RRJVA\_FW6\_STB



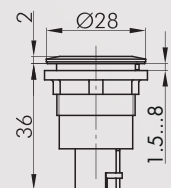
### RJ45 jack/connector (60 cm)

front:  
RJ45 jack with screen  
rear:  
cable (length X=600 mm) with RJ45 plug with screen

front bezel: silver-coloured  
stainless steel, polished  
black



RRJ\_RJ45  
RRJVA\_RJ45  
RRJ\_RJ45\_SW



### RJ45 jack/jack

front:  
RJ45 jack with screen  
rear:  
RJ45 jack with screen

front bezel: silver-coloured  
stainless steel, polished  
black



RRJ\_RJ45\_STB  
RRJVA\_RJ45\_STB  
RRJ\_RJ45\_STB\_SW

## Panel Mount Jacks

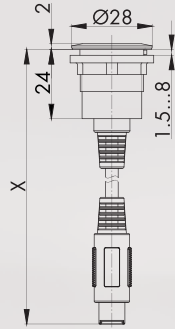
other cable lengths on request

Illustration

Dimensions

Description

Type



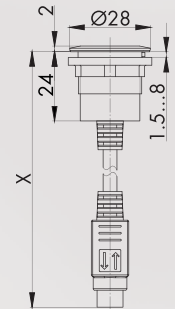
### PS2 jack/connector (200 cm)

front:  
PS2 jack  
rear:  
cable (length X=2000 mm) with PS2 plug

front bezel: silver-coloured



RRJ\_PS2\_200CM



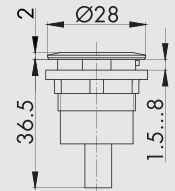
### SVHS jack/connector (200 cm)

front:  
SVHS jack  
rear:  
cable (length X=2000 mm) with SVHS plug

front bezel: silver-coloured



RRJ\_SVHS\_200CM



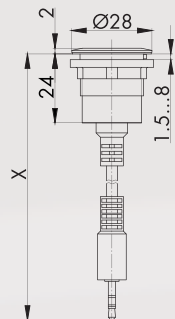
### HDMI jack/jack

front:  
HDMI jack  
rear:  
HDMI jack

front bezel: silver-coloured  
stainless steel, polished  
black



RRJ\_HDMI\_STB  
RRJVA\_HDMI\_STB  
RRJ\_HDMI\_STB\_SW



### 2.5 mm plug jack/connector (200 cm)

front:  
2.5 mm jack socket (3-pole)  
rear:  
cable (length X=2000 mm) with 2.5 mm jack plug

front bezel: silver-coloured  
stainless steel, polished



RRJ\_KL2,5\_200CM  
RRJVA\_KL2,5\_200

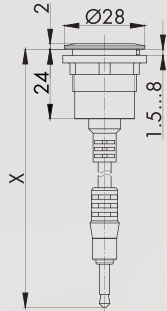
## Panel Mount Jacks

Illustration

Dimensions



Description

Type

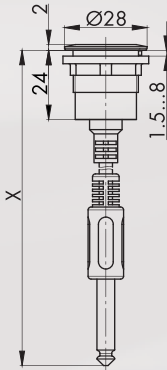


### 3.5 mm plug jack/connector

front:  
3.5 mm jack socket (3-pole)  
rear:  
cable (length X=2000 mm) with 3.5 mm jack plug



front bezel:            silver-coloured              
                                 stainless steel, polished   

**RRJ\_KL3,5\_200CM**  
**RRJVA\_KL3,5\_200**



### 6.3 mm plug jack/connector (200 cm)

front:  
6.3 mm jack socket (3-pole)  
rear:  
cable (length X=2000 mm) with 6.3 mm jack plug

front bezel:            silver-coloured              
                                 acier inox poli            

**RRJ\_KL6,3\_200CM**  
**RRJVA\_KL6,3\_200**



**For panel mount jacks, please refer to page 572**

**Industry 4.0 - Components**

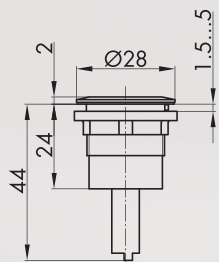
Illustration

Dimensions

Description

Type

IP65



**Capacitive microphone**

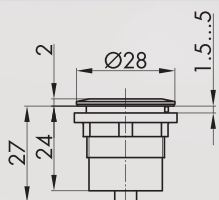
frequency response: 20-16000 Hz  
impedance: 2.2 kOhm

colour: silver-coloured  
black



RRJ\_MIC\_01  
RRJSW\_MIC\_01

IP65



**WiFi antenna**

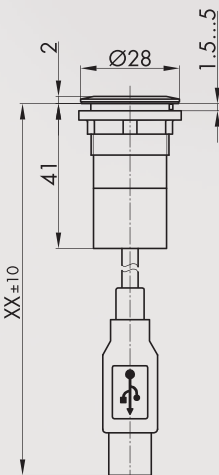
standard: IEEE 802.11 ac/a/b/g/n  
connection: MCX jack

colour: silver-coloured  
black



RRJ\_WLA\_01  
RRJSW\_WLA\_01

IP65



**WiFi adapter to USB**

specification: IEEE 802.11n conform downward compatible to IEEE 802.11 g/b supports 64/128-bit WEP, WPA and WPA2 encoding

system requirement: Windows XP, Vista, 7, 8, 8.1, 10, Mac OS X and Linux

connection: USB 2.0 cable (length XX=1500 mm)

colour: silver-coloured  
black



RRJ\_WLU\_01  
RRJSW\_WLU\_01

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# RONTRON-R-JUWEL

Ø 22.3 mm

MADE IN GERMANY



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## Pilot Lights

lenses and nameplates to be ordered separately

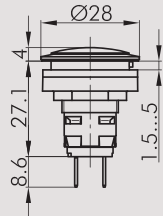
Illustration

Dimensions

Description

Type

IP65



### Pilot Light with Faston terminals 2.8x0.8 mm

W2x4.6d socket

Connection type:

Faston terminals 2.8x0.8 mm

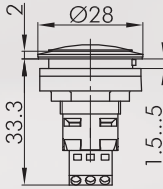
front bezel:

silver-coloured  
stainless steel, polished  
black



RRJL4  
RRJVAL4  
RRJL4SW

IP65



### Two-colour LED pilot light 24V

operating temperature: -25°C ... 60°C

rated voltage: 24V DC

rated current: max. 10mA per LED

insulating voltage: 0.5kV

insulating resistance: ≥ 2MΩ

connection type: screw connection 3x1 mm<sup>2</sup>

pin assignment

pin 1: red

pin 2: GND

pin 3: green

other colours on request  
incl. lens and nameplate

front bezel:

silver-coloured



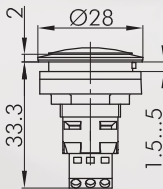
LED colour:

red/green



RRJL\_24R\_G

IP65



### Two-colour LED pilot light 230V

operating temperature: -25°C ... 55°C

rated voltage: 230V AC / 50 ... 60Hz

rated current: max. 4mA per LED

insulating voltage: 2.5kV

insulating resistance: ≥ 2MΩ

connection: screw connection 3x1 mm<sup>2</sup>

pin assignment

pin 1: red

pin 2: GND

pin 3: green

other colours on request  
incl. lens and nameplate

front bezel:

silver-coloured



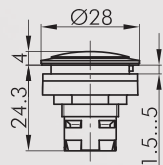
LED colour:

red/green



RRJL\_230R\_G

IP65



### Pilot light head

suitable lampholders:











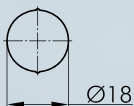

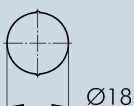
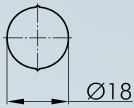



front bezel:

silver-coloured  
stainless steel, polished  
black




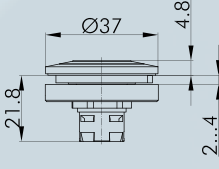
















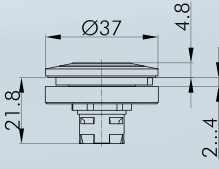


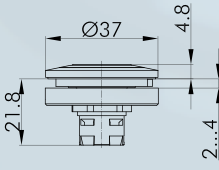

RRJN  
RRJVAN  
RRJNSW

## Accessories for Pushbuttons and Switches


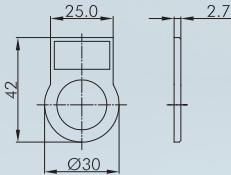



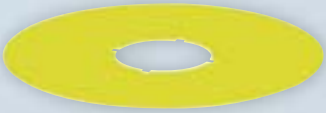





Illustration	Dimensions	Description	Type
<b>Accessories</b>			
		<p><b>Lens</b></p> <p>colour:</p> <ul style="list-style-type: none"> <li>blue </li> <li>yellow </li> <li>green </li> <li>clear </li> <li>red </li> <li>opal white </li> </ul>	<p><b>K22RRBL</b></p> <p><b>K22RRGB</b></p> <p><b>K22RRGN</b></p> <p><b>K22RRKL</b></p> <p><b>K22RRRT</b></p> <p><b>K22RRWS</b></p>
		<b>Blank nameplate</b>	<b>BSRRU</b>
		<p><b>Nameplate with standard imprint</b></p> <p>please specify index number (see nameplates from page 634)</p>	<b>BSRR...</b>
		<p><b>Nameplate with special imprint</b></p> <p>according to customer's specification</p>	<b>BSRRB</b>
		<p><b>Mounting tool 16</b></p> <p>with torque limitation for the series OKTRON, OKTRON-JUWEL, OKTRON-R, RONTRON-R-JUWEL, RONTRON-Q-JUWEL, QUARTRON, QUARTRON-JUWEL, RX-JUWEL</p>	<b>S16</b>
		<p><b>Mounting tool 22</b></p> <p>with torque limitation for the series QUARTEX-R(JUWEL), KOMBITAST-R-JUWEL, RONDEX, RONDEX-M, RONDEX-JUWEL, RVA, DUX-Basic, SHORTRON, jacks of the ranges RONTRON-R/-Q-JUWEL</p>	<b>S22</b>
		<p><b>Mounting tool adapter with 1/4" connections</b></p> <p>for mounting tools S16 and S22</p>	<b>SRA</b>



## Accessories for Pushbuttons and Switches

Illustration	Dimensions	Description	Type															
		<p><b>LED light ring for status indication or additional illumination</b></p> <ul style="list-style-type: none"> <li>- for an additional light signal</li> <li>- rated voltage: 24V AC/DC</li> <li>- rated current: 25 ... 35 mA (DC)</li> <li>- panel cut-out Ø 30.5 mm</li> <li>- connection for JST plug ZHR-3</li> <li>- tightening torque mounting nut max. 0.3 Nm delivery without actuator</li> </ul> <p>LED colour:</p> <table border="0"> <tr> <td>blue</td> <td></td> <td><b>LR22K_24B</b></td> </tr> <tr> <td>white</td> <td></td> <td><b>LR22K_24W</b></td> </tr> <tr> <td>red</td> <td></td> <td><b>LR22K_24R</b></td> </tr> <tr> <td>green</td> <td></td> <td><b>LR22K_24G</b></td> </tr> <tr> <td>yellow</td> <td></td> <td><b>LR22K_24Y</b></td> </tr> </table>	blue		<b>LR22K_24B</b>	white		<b>LR22K_24W</b>	red		<b>LR22K_24R</b>	green		<b>LR22K_24G</b>	yellow		<b>LR22K_24Y</b>	
blue		<b>LR22K_24B</b>																
white		<b>LR22K_24W</b>																
red		<b>LR22K_24R</b>																
green		<b>LR22K_24G</b>																
yellow		<b>LR22K_24Y</b>																
		<p><b>Two-coloured alternate LED-illuminated ring for status indication</b></p> <ul style="list-style-type: none"> <li>- for two additional light signals</li> <li>- rated voltage: 24V AC/DC</li> <li>- rated current: green 12 mA (DC) / red 17 mA (DC)</li> <li>- panel cut-out Ø 30.5 mm</li> <li>- connection for JST plug ZHR-3</li> <li>- tightening torque mounting nut max. 0.3 Nm delivery without actuator</li> </ul> <p>LED colour: <span style="display: inline-block; width: 15px; height: 10px; background-color: red; border: 1px solid black; margin-right: 5px;"></span> <span style="display: inline-block; width: 15px; height: 10px; background-color: green; border: 1px solid black; margin-left: 5px;"></span> <b>LR22K_24R_G</b></p>																
		<p><b>Connection cable for LED light ring</b></p> <p>with open end, to connect the LED light rings to a voltage supply source length approx. 80 cm, cross section 0.14 mm<sup>2</sup></p>	<b>VK_JST3_014</b>															
		<p><b>RGB LED light ring for status indication or illumination</b></p> <ul style="list-style-type: none"> <li>- for an additional light signal</li> <li>- one-piece ring (360°)</li> <li>- rated voltage 24V AC (half-wave rectifier)/DC</li> <li>- 1 up to 16.7 million colours can be displayed (colour mixing via PWM signal)</li> <li>- tightening torque mounting nut max. 0.3 Nm</li> </ul> <p>LED colour: <span style="display: inline-block; width: 15px; height: 10px; background-color: red; border: 1px solid black; margin-right: 5px;"></span> <span style="display: inline-block; width: 15px; height: 10px; background-color: green; border: 1px solid black; margin-left: 5px;"></span> <span style="display: inline-block; width: 15px; height: 10px; background-color: blue; border: 1px solid black; margin-left: 5px;"></span> <b>LR22K_24RGB</b></p>																
		<p><b>Connection cable for RGB-LED light ring</b></p> <p>with open end, to connect the RGB-LED light rings to a voltage supply source length: approx. 60 cm, cross section 0.14 mm<sup>2</sup></p>	<b>VK_LRR22_RGB</b>															

## Accessories for Pushbuttons and Switches

Illustration	Dimensions	Description	Type
 		<p><b>External nameplate holder</b> for self-adhesive outside marking of the actuators of the RONTRON-RJUWEL, SHORTRON series (except selector and key switches) to snap on from the front</p> <p>colour: transparent</p>	 <b>RRJABT</b>
		<p><b>Self-adhesive nameplate laser-printed</b> inscription according to customer's specification dimensions: 22 x 11 mm</p>	<b>BZ16L...</b>
		<p><b>Self-adhesive nameplate blank</b> dimensions: 22 x 11 mm</p>	<b>BZ16U</b>
		<p><b>Self-adhesive nameplate with standard imprint</b> please specify index number (see nameplates from page 634) dimensions: 22 x 11 mm</p>	<b>BZ16B...</b>
		<p><b>Yellow nameplate</b> self-adhesive PVC foil printing on request outer dia. 75 mm for mounting dia. 22.3 mm</p> <p>colour: yellow</p>	 <b>NAS_22</b>
		<p><b>Yellow nameplate with quadrilingual imprint</b> self-adhesive PVC foil outer dia. 75 mm for mounting dia. 22.3 mm</p> <p>colour: yellow</p>	 <b>NAS_22_548</b>
<p>IP40</p> 		<p><b>Lead-sealable protective lid</b></p> <p>colour: transparent</p>	 <b>KDP22RR</b>



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