




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



RONTRON-Q-JUWEL

 Product configurator



Overview RONTRON-Q-JUWEL series




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02 Emergency Stop Buttons	page 113	08 Pilot Lights	page 121
03 Knob Set for Potentiometers	page 114		
04 Selector Heads	page 114		
05 Key Actuators	page 116		
06 Acoustic Buzzers	page 118		


Housing Colour



IP65 degree of protection

3 mm operating travel

 illuminating option

 labelling option



CT
CT...
Contact Blocks
Faston terminals
page 490

CZ
CZ...
Contact Blocks
PCB-mount terminals
page 482

CTP
CTP...
Contact Blocks
PCB-mount terminals
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CTF
CTF...
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Faston terminals
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B
BZ
B...
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B...
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Screw connections
page 436

ASI
ASI...
Contact Blocks
for AS-Interface
page 534

ASI
ASI...
Contact Blocks
for AS-Interface
Safety @ Work
page 540

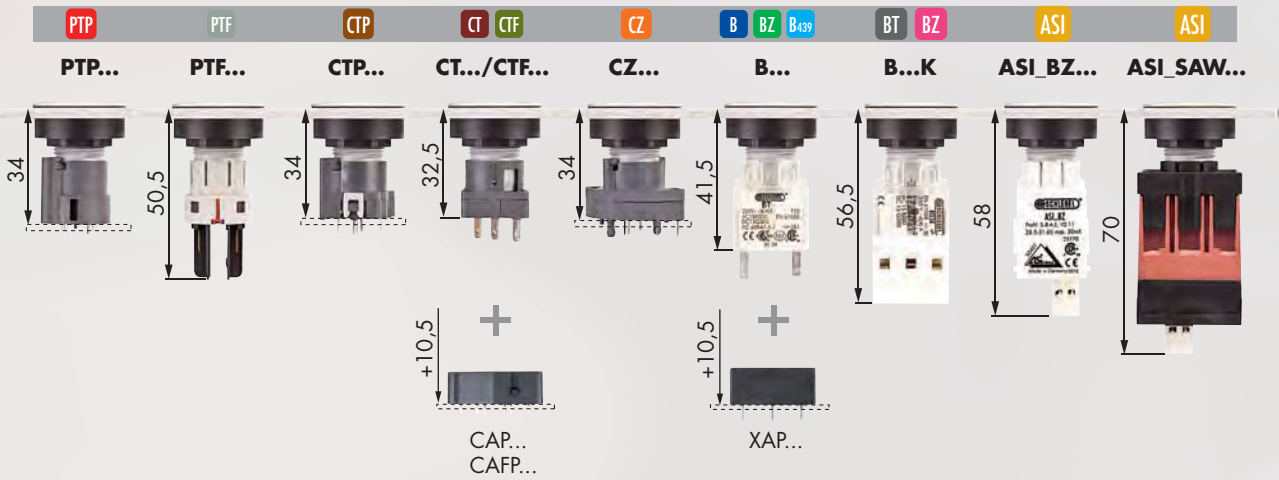
RONTRON-Q-JUWEL

made in germany

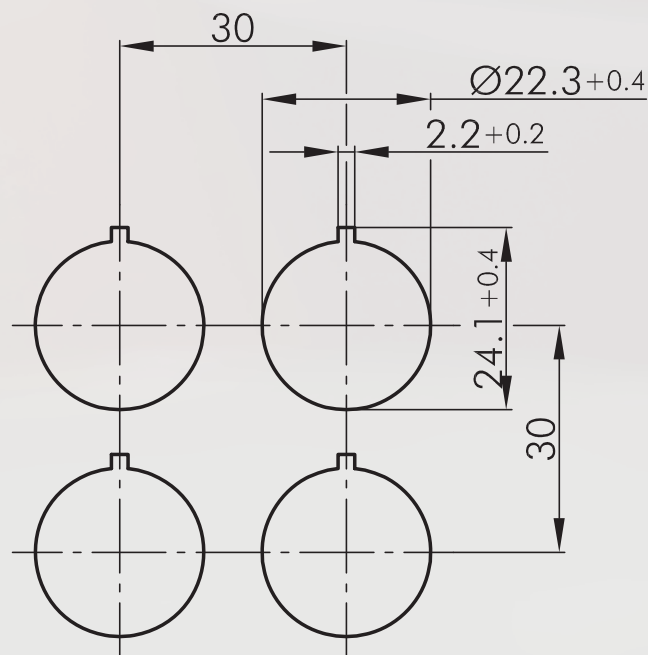


Ø 22.3 mm

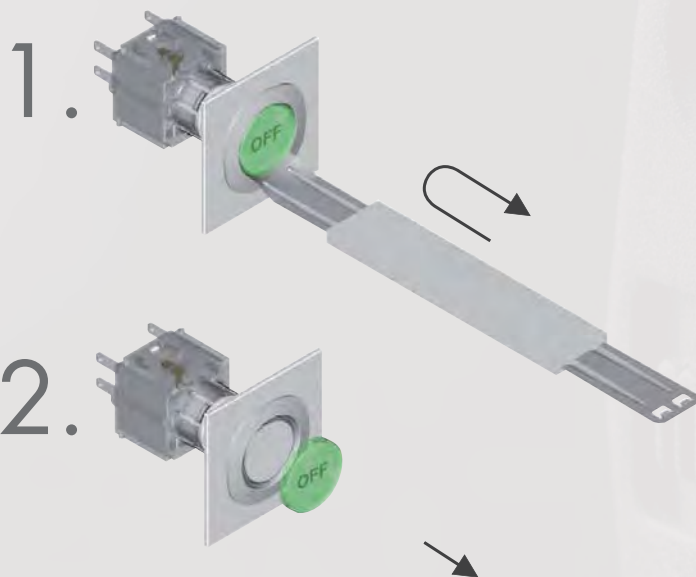
Mounting Depth Dimensions



Cutout Dimensions



Mounting and Service Instructions



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Control Units

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Bus Technology

Enclosures

Terminal Blocks

Pedal Switches

Limit Switches

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RONTRON-Q-JUWEL

made in germany



Ø 22.3 mm

Pushbutton Heads

Lenses and nameplates to be ordered separately

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Illustration	Dimensions	Description	Type																					
		Pushbutton Head suitable contact blocks ASI AZ B BF BZ BZ B439 CT CTF CTP CZ front bezel silver-coloured	RQJT																					
		Flat Lens, transparent colour <table border="0"> <tr><td>blue</td><td></td><td>T22RRBL</td></tr> <tr><td>yellow</td><td></td><td>T22RRGB</td></tr> <tr><td>green</td><td></td><td>T22RRGN</td></tr> <tr><td>clear</td><td></td><td>T22RRKL</td></tr> <tr><td>red</td><td></td><td>T22RRRT</td></tr> <tr><td>opalwhite</td><td></td><td>T22RRWS</td></tr> </table>	blue		T22RRBL	yellow		T22RRGB	green		T22RRGN	clear		T22RRKL	red		T22RRRT	opalwhite		T22RRWS				
blue		T22RRBL																						
yellow		T22RRGB																						
green		T22RRGN																						
clear		T22RRKL																						
red		T22RRRT																						
opalwhite		T22RRWS																						
		Flat Lens, non-transparent colour <table border="0"> <tr><td>blue</td><td></td><td>T22RRGBL</td></tr> <tr><td>yellow</td><td></td><td>T22RRGGB</td></tr> <tr><td>green</td><td></td><td>T22RRGGN</td></tr> <tr><td>black</td><td></td><td>T22RRGSW</td></tr> <tr><td>red</td><td></td><td>T22RRGRT</td></tr> <tr><td>white</td><td></td><td>T22RRGWS</td></tr> <tr><td>silver-coloured</td><td></td><td>T22RRGM</td></tr> </table>	blue		T22RRGBL	yellow		T22RRGGB	green		T22RRGGN	black		T22RRGSW	red		T22RRGRT	white		T22RRGWS	silver-coloured		T22RRGM	
blue		T22RRGBL																						
yellow		T22RRGGB																						
green		T22RRGGN																						
black		T22RRGSW																						
red		T22RRGRT																						
white		T22RRGWS																						
silver-coloured		T22RRGM																						
		High Lens, transparent colour <table border="0"> <tr><td>blue</td><td></td><td>T22HRRBL</td></tr> <tr><td>yellow</td><td></td><td>T22HRRGB</td></tr> <tr><td>green</td><td></td><td>T22HRRGN</td></tr> <tr><td>clear</td><td></td><td>T22HRRKL</td></tr> <tr><td>red</td><td></td><td>T22HRRRT</td></tr> <tr><td>opalwhite</td><td></td><td>T22HRRWS</td></tr> </table>	blue		T22HRRBL	yellow		T22HRRGB	green		T22HRRGN	clear		T22HRRKL	red		T22HRRRT	opalwhite		T22HRRWS				
blue		T22HRRBL																						
yellow		T22HRRGB																						
green		T22HRRGN																						
clear		T22HRRKL																						
red		T22HRRRT																						
opalwhite		T22HRRWS																						
		Blank Nameplate	BSRRU																					
		Nameplate with standard imprint Please specify index number (see nameplates on pages 404)	BSRR...																					
		Nameplate with special imprint according to customer's specification	BSRRB																					

Pushbutton Heads Emergency Stops

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Bus Technology


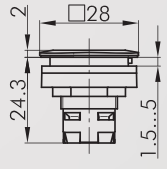






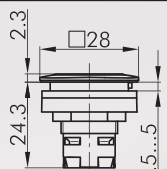



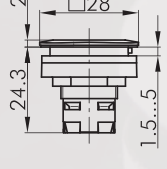
Enclosures

Terminal Blocks

Pedal Switches

Limit Switches

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Illustration	Dimensions	Description	Type
 <p>IP65 3 mm </p>	 <p>28 2 24.3 1.5...5</p>	<p>Pushbutton Head with ring illumination incl. lens, inscription on request</p> <p> suitable contact blocks ASI AZ B BF BZ BZ B439 CT CTF CTP CZ front bezel silver-coloured <input type="checkbox"/> black <input type="checkbox"/></p>	<p>RQJTLR RQJTLRSW</p>
 <p>IP65 3 mm  </p>	 <p>28 2 24.3 1.5...5</p>	<p>Pushbutton Head with ring illumination and laser printing with push-cap, standard imprint, see nameplates on page 404 (please specify index number), special inscription on request</p> <p>ASI AZ B BF BZ BZ B439 CT CTF CTP CZ front bezel silver-coloured <input type="checkbox"/></p>	<p>RQJTLRL...</p>
 <p>IP65 3 mm </p>	 <p>28 2.3 24.3 1.5...5</p>	<p>Pushbutton Head with ring illumination, white coated incl. lens</p> <p>suitable contact blocks ASI AZ B BF BZ BZ B439 CT CTF CTP CZ front bezel white <input type="checkbox"/></p>	<p>RQJTLREWS</p>
 <p>IP65 3 mm </p>	 <p>28 2 24.3 1.5...5</p>	<p>Pushbutton Head with ring illumination and burl wood decor lens</p> <p>suitable contact blocks ASI AZ B BF BZ BZ B439 CT CTF CTP CZ front bezel burl wood decor</p>	<p>RQJTLRE01</p>
 <p>IP65 3 mm </p>	 <p>28 2 24.3 1.5...5</p>	<p>Pushbutton Head with ring illumination and carbon decor incl. push-cap</p> <p>suitable contact blocks ASI AZ B BF BZ BZ B439 CT CTF CTP CZ front bezel carbon decor</p>	<p>RQJTLRE02</p>



For further emergency stops, please refer to the chapter "Emergency-stop Heads" starting on page 366

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

RONTRON-Q-JUWEL

Ø 22.3 mm

made in germany



Knob Set for potentiometers Selector Switches (momentary/maintained)

I = Switching position
> = Spring return

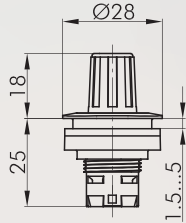
Illustration

Dimensions

Description

Type

IP65



Knob Set for potentiometers

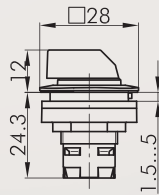
for potentiometers of 6 mm shaft dia. and thread M10 x 0.75.
Delivery without potentiometer.
Shaft length: approx. 32 mm

front bezel silver-coloured



RQJR

IP65



Selector Head, maintained

suitable contact blocks

ASI AZ B BF BZ BZ B439 CT CTF CTP CZ

front bezel silver-coloured



RQJWA

suitable contact blocks

ASI AZ BZ BZ B439 CT CZ

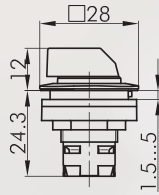
front bezel silver-coloured



RQJWB



IP65



Selector Head, momentary

suitable contact blocks

ASI AZ B BF BZ BZ B439 CT CTF CTP CZ

front bezel silver-coloured



RQJSTA

suitable contact blocks

ASI AZ BZ BZ B439 CT CZ

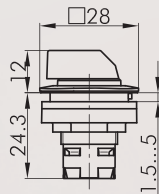
front bezel silver-coloured



RQJSTB



IP65



Selector Head, left maintained, right momentary

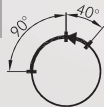
suitable contact blocks

ASI AZ BZ BZ B439 CT CZ

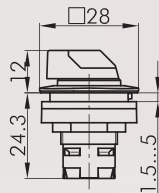
front bezel silver-coloured



RQJWC



IP65



Illuminated Selector Head, maintained

Knob available in blue-BL, yellow-GB, clear-KL, green-GN, red-RT (e.g. RQJWAL_GN)

suitable contact blocks

ASI AZ B BF BZ BZ B439 CT CTF CTP CZ

front bezel silver-coloured



RQJWAL...

suitable contact blocks

ASI AZ BZ BZ B439 CT CZ

front bezel silver-coloured



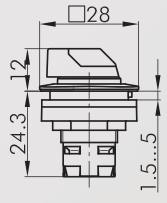








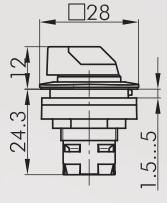





RQJWBL...



Selector Switches (momentary/maintained)

I = Switching position
> = Spring return

Illustration	Dimensions	Description	Type
 		<p>Illuminated Selector Head, momentary Knob available in blue-BL, yellow-GB, clear-KL, green-GN, red-RT (e.g. RQJSTAL_GN)</p> <p>suitable contact blocks </p> <p>front bezel silver-coloured </p> <p>suitable contact blocks </p> <p>front bezel silver-coloured </p>	<p>RQJSTAL...</p>  <p>RQJSTBL...</p> 
 		<p>Illuminated Selector Head, left maintained, right momentary Knob available in blue-BL, yellow-GB, clear-KL, green-GN, red-RT (e.g. RQJWCL_GN)</p> <p>suitable contact blocks </p> <p>front bezel silver-coloured </p>	<p>RQJWCL...</p> 

Ø 22.3 mm

Key Switches (momentary/maintained)

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

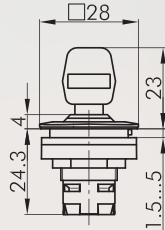
Illustration

Dimensions

Description

Type

IP65



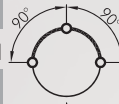
Key Actuator, maintained

including two keys
other lock types on request

suitable contact blocks

ASI AZ BZ BZ B439 CT CZ

front bezel silver-coloured



RQJSSA12

suitable contact blocks

ASI AZ BZ BZ B439 CT CZ

front bezel silver-coloured



RQJSSA13

suitable contact blocks

ASI AZ B BF BZ BZ B439 CT CTF CTP CZ

front bezel silver-coloured



RQJSSA14

suitable contact blocks

ASI AZ B BF BZ BZ B439 CT CTF CTP CZ

front bezel silver-coloured

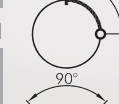


RQJSSA15

suitable contact blocks

ASI AZ B BF BZ BZ B439 CT CTF CTP CZ

front bezel silver-coloured

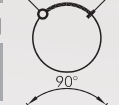


RQJSSA16

suitable contact blocks

ASI AZ B BF BZ BZ B439 CT CTF CTP CZ

front bezel silver-coloured

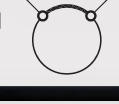


RQJSSA17

suitable contact blocks

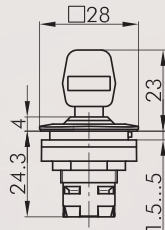
ASI AZ B BF BZ BZ B439 CT CTF CTP CZ

front bezel silver-coloured



RQJSSA18

IP65



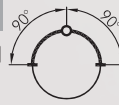
Key Actuator, maintained

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

suitable contact blocks

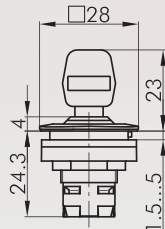
ASI AZ BZ BZ B439 CT CZ

front bezel silver-coloured



RQJSSA31

IP65



Key Actuator, momentary

including two keys
other lock types on request

suitable contact blocks

ASI AZ BZ BZ B439 CT CZ

front bezel silver-coloured



RQJSSA23

suitable contact blocks

ASI AZ B BF BZ BZ B439 CT CTF CTP CZ


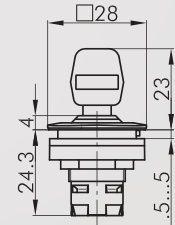
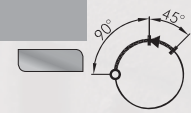

front bezel silver-coloured



RQJSSA28

Key Switches (momentary/maintained)

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

Illustration	Dimensions	Description	Type
		<p>Key Actuator, left maintained, right momentary including two keys other lock types on request suitable contact blocks</p> <p>AS1 AZ BZ BZ B439 CT CZ</p> <p>front bezel silver-coloured</p> 	RQJSSA25
		<p>Standard Spare Keys standard spare key, specify key number for special locks</p>	ESMIC482

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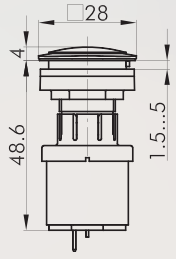

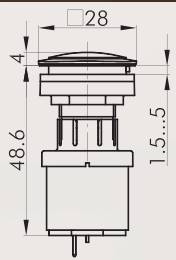

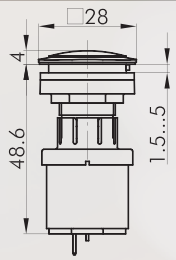

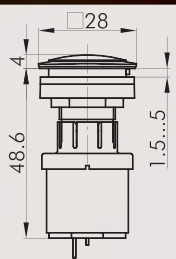



Pedal Switches

Limit Switches


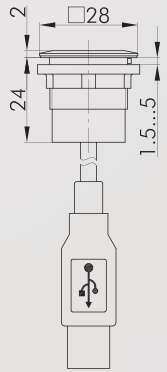


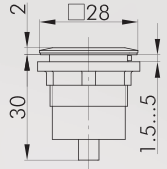


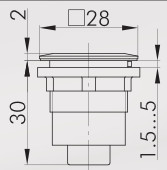


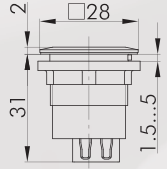


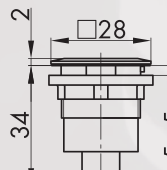


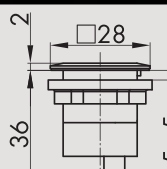

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Buzzers

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- Bus Technology
- Enclosures
- Terminal Blocks
- Pedal Switches
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Illustration	Dimensions	Description	Type
		<p>Buzzer</p> <p>operating voltage: 12 ... 24V AC/DC operating current: max. 30mA signal frequency: 3.5 +/- 0.5 Hz volume: max. 90 db (10cm, 24V) max. 85 db (10cm, 12V)</p> <p>operating temperature: -20°C ... 60°C front bezel: silver-coloured</p>	RQJNSG+SG-24V
		<p>Interval Buzzer</p> <p>operating voltage: 12 ... 24V AC/DC operating current: max. 30mA signal frequency: 3.5 +/- 0.5 Hz volume: max. 90 db (10cm, 24V) max. 85 db (10cm, 12V)</p> <p>intreval: 1 s operating temperature: -20°C ... 60°C front bezel: silver-coloured</p>	RQJNSG+SGI-24V
		<p>Illuminated Buzzer</p> <p>operating voltage: 12 ... 24V AC/DC operating current: approx. 30mA signal frequency: 3.5 +/- 0.5 Hz volume: max. 90 db (10cm, 24V) max. 85 db (10cm, 12V)</p> <p>operating temperature: -20°C ... 60°C front bezel: silver-coloured</p>	RQJNSGL+SGLR-24V
		<p>Illuminated Interval Buzzer</p> <p>operating voltage: 12 ... 24V AC/DC operating current: approx. 30mA signal frequency: 3.5 +/- 0.5 Hz volume: max. 90 db (10cm, 24V) max. 85 db (10cm, 12V)</p> <p>intreval: 1 s operating temperature: -20°C ... 60°C front bezel: silver-coloured</p>	RQJNSGL+SGILR-24V
		<p>Faston Clamp 2.8 x 0.8 mm with snap-in pin</p> <p>Cross section 0.75 - 1.50 mm², tin-plated brass, with pin to snapfit into the sockets XA, XAL and the insulating case IH2.8</p>	FH2,8
		<p>Insulating Case</p> <p>for Faston clamp FH2,8, slip on from the front</p>	IH2,8
		<p>Double Faston</p> <p>for the connection of 2 Faston clamps FH2.8</p>	FD2,8

Panel Mount Jacks

Illustration	Dimensions	Description	Type
		<p>USB Jack front: USB jack type A</p> <p>rear: USB2.0 cable (length 60 cm) with plug type A</p> <p>other lengths on request</p> <p>Attention: Mounting position of USB jack does not conform to the USB2.0 specification.</p>	front bezel silver-coloured  RQJ_USB
		<p>USB Jack front: USB jack type A</p> <p>rear: USB jack type A</p>	front bezel silver-coloured  RQJ_USB_AA
		<p>USB Jack front: USB jack type A</p> <p>rear: USB jack type B</p>	front bezel silver-coloured  RQJ_USB_AB
		<p>USB Jack front: USB jack type B</p> <p>rear: USB jack type A</p>	front bezel silver-coloured  RQJ_USB_BA
		<p>USB Jack front: USB jack type B</p> <p>rear: USB jack type B</p>	front bezel silver-coloured  RQJ_USB_BB
		<p>USB3.0 Jack front: USB jack type A</p> <p>rear: USB jack type A</p>	front bezel silver-coloured  RQJ_USB3_AA

Ø 22.3 mm

Panel Mount Jacks

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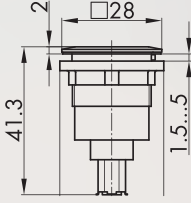


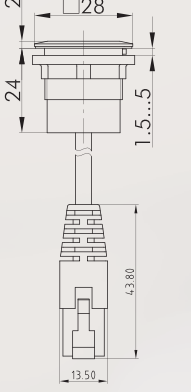


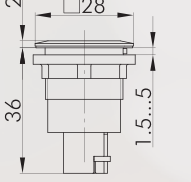


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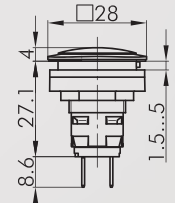

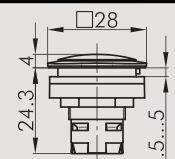












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Illustration	Dimensions	Description	Type
		Fire Wire Jack front: Fire Wire jack rear: Fire Wire jack front bezel	silver-coloured  RQJ_FW6_STB
		RJ45 Jack front: RJ45 jack with screen rear: 60cm cable screened with RJ45 connector front bezel	silver-coloured  RQJ_RJ45
		RJ45 Jack front: RJ45 jack with screen rear: RJ45 jack with screen front bezel	silver-coloured  RQJ_RJ45_STB
		For panel mount jacks, please refer to page 552	

Pilot Lights

Lenses and nameplates to be ordered separately

Illustration	Dimensions	Description	Type
 <p>IP65 Sun icon Wrench icon</p>		<p>Pilot Light with Faston terminals 2.8x0.8 mm W2x4.6d socket</p> <p>front bezel silver-coloured</p>	RQJL4
 <p>IP65 Sun icon Wrench icon</p>		<p>Pilot Light Head suitable lampholders</p> <p>ASI B BF CT CTF CTP CZ</p> <p>front bezel silver-coloured</p>	RQJN
		<p>Lens</p> <p>colour</p> <ul style="list-style-type: none"> blue  K22RRBL yellow  K22RRGB green  K22RRGN clear  K22RRKL red  K22RRRT opalwhite  K22RRWS 	
		<p>Nameplate with standard imprint Please specify index number (see nameplates on pages 404)</p>	BSRR...
		<p>Nameplate with special imprint according to customer's specification</p>	BSRRB
		<p>Blank Nameplate</p>	BSRRU

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Ø 22.3 mm

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Illustration	Dimensions	Description	Type
		Hexagonal Mounting Tool with torque limitation, for the series OKTRON, OKTRON-JUWEL, OKTRON-R, RONDEX-R-JUWEL, RONTRON-Q-JUWEL, QUARTRON, QUARTRON-JUWEL, RX-JUWEL	S16
		Mounting Tool with torque limitation for the series QUARTEX-R(-JUWEL), KOMBITAST-R-JUWEL, RONDEX, RONDEX-M, RVA, DUX-Basic, SHORTRON, jacks of the RONTRON-R/-Q-JUWEL series	S22
		Mounting Tool Adapter with 1/4" connections for mounting tools S16 and S22	SRA
		Yellow Nameplate self-adhesive PVC foil printing on request outer dia. 75 mm for mounting dia. 22 mm colour yellow	 NAS_22
		Yellow Nameplate with quadrilingual imprint self-adhesive PVC foil outer dia. 75 mm for mounting dia. 22 mm colour yellow	 NAS_22_548
		Lead-sealable Protective Lid from -30 °C to +70°C colour transparent	 KDP22RR
		Lead-sealable, robust Protective Lid Lifetime: >100,000 cycles colour transparent black	 KDPR22RR KDPR22RR_SW
		Universal Lens Remover	USK
		Dummy to close unused mounting apertures front bezel silver-coloured	 BVRQJ



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