



Front dimensions: 25 x 25 mm
Panel cut-out: 23.1 x 23.1 mm
Front bezel height: 2 mm
Travel: 3 mm



OKTRON-JUWEL

 Product configurator



Overview OKTRON-JUWEL series



01 Pushbutton heads	page 350	07 Panel mount jacks	page 357
02 Emergency-stop heads	page 351	08 Pilot lights	page 358
03 Knob set for potentiometers	page 352	Contact blocks/lampholders	page 414
04 Selector heads	page 353		
05 Key actuators	page 354		
06 Buzzers	page 356		

Housing colour



degree of protection



operating travel



tactile



illuminating option



labelling option





CT
CT...
Contact blocks
Faston terminals
page 502

CZ
CZ...
Contact blocks
PCB-mount terminals
page 494

CTP
CTP...
Contact blocks
PCB-mount terminals
page 480

CTF
CTF...
Contact blocks
Faston terminals
page 486

FRTF
FRTF...
Contact blocks
PCB-mount terminals
page 508

FRTF
FRTF...
Contact blocks
Faston terminals
page 514

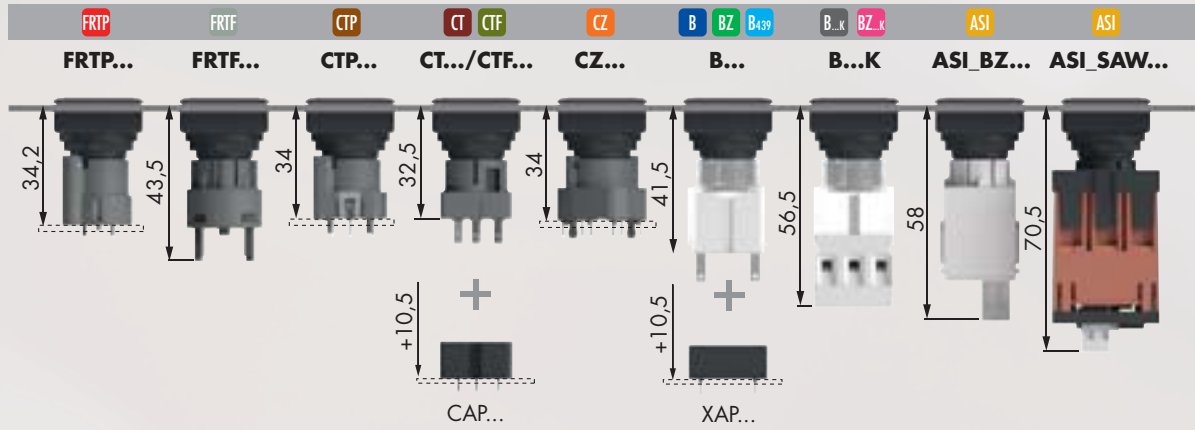
B
BZ
BF...
Contact blocks
Faston terminals
page 436

B_x
BZ_x
BFK...
Contact blocks
screw connection
page 444

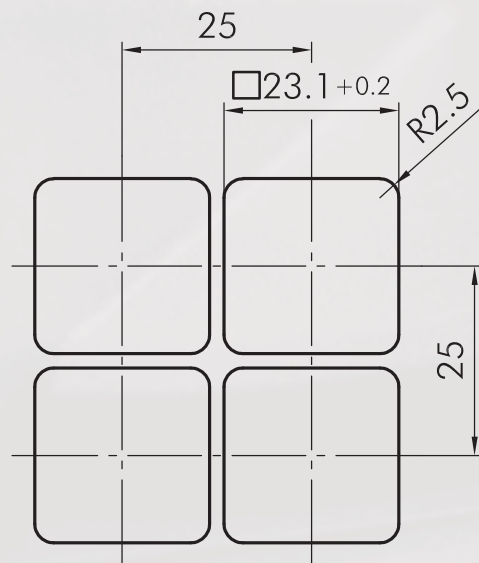
ASI
ASI...
Contact blocks
for AS-Interface
page 554

ASI
ASI...
Contact blocks
for AS-Interface
Safety @ Work
page 560

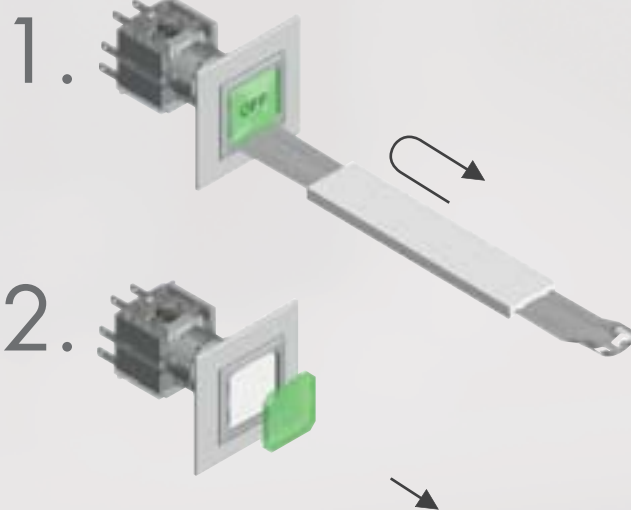
Mounting depth dimensions



Cutout dimensions



Mounting and service instructions



Pushbuttons

Illustration

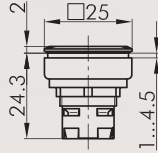
Dimensions

Description

Type

IP65

3mm



Pushbutton head

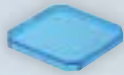
suitable contact blocks:

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

front bezel: black

OKJT

Accessories



Flat lens, transparent

colour: blue
yellow
green
clear
red
white



TOKJFBL
TOKJFGB
TOKJFGN
TOKJFKL
TOKJFRT
TOKJFWS

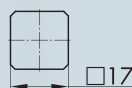
Flat lens, non-transparent

used for pushbuttons without inscription and illumination

colour: blue
yellow
green
black
red
white



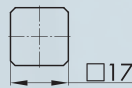
TOKJFGBL
TOKJFGGB
TOKJFGGN
TOKJFGSW
TOKJFGRT
TOKJFGWS



Nameplate with standard imprint

please specify index number(see nameplates from page 634)

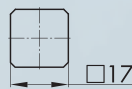
BSOKJ...



Nameplate with special imprint

according to customer's specification

BSOKJB



Blank nameplate

BSOKJU

Emergency-Stops

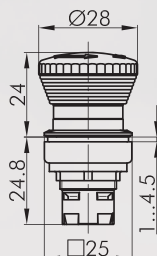
Illustration

Dimensions

Description

Type

IP65
IP67





Emergency-stop head Ø 28mm

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



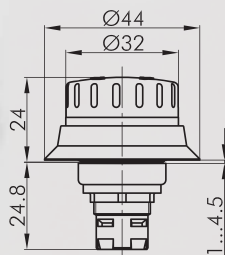
suitable contact blocks:



front bezel: yellow 
 Mushroom head: red 

OKJUV

IP65
IP67





Emergency-stop head

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



suitable contact blocks:



front bezel: yellow 
 Knob colour: red 

OKJBUV



For further emergency stops, please refer to the chapter "Emergency-stop Heads" starting on page 594

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

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Potentiometers

I = Switching position
> = Spring return

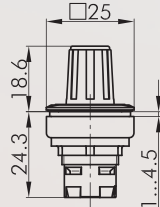
Illustration

Dimensions

Description

Type

IP65



Knob set for potentiometers

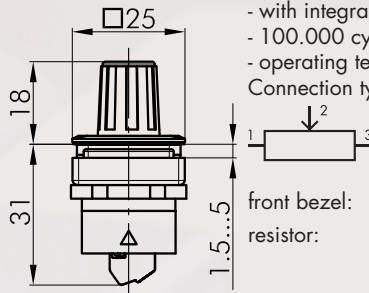
for potentiometers of 6 mm shaft dia. and thread M10x0.75
delivery without potentiometer
shaft length: approx. 32 mm

front bezel: black



OKJR

IP66
IP69K



Potentiometer

- with 1 kOhm potentiometer
- rotation angle 260°
- with integrated scale
- 100.000 cycles
- operating temperature -20°C ... 70°C

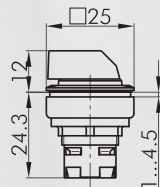
Connection type: screw connection

front bezel: black
resistor: 1 kOhm
5 kOhm
10 kOhm
50 kOhm



OKJR1K
OKJR5K
OKJR10K
OKJR50K

IP65



Selector head, maintained

suitable contact blocks:

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

front bezel: black



OKJWA

suitable contact blocks:

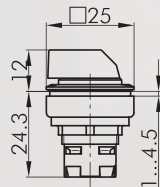
ASI AZ BZ BZ...K B439 CT CZ

front bezel: black



OKJWB

IP65



Selector head, momentary

suitable contact blocks:

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

front bezel: black



OKJSTA

suitable contact blocks:

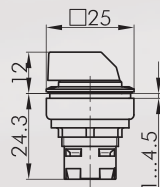
ASI AZ BZ BZ...K B439 CT CZ

front bezel: black



OKJSTB

IP65



Selector head, left maintained, right momentary

suitable contact blocks:

ASI AZ BZ BZ...K B439 CT CZ

front bezel: black



OKJWC

Selector Switches (momentary/maintained)

I = Switching position
> = Spring return

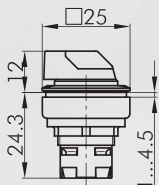
Illustration

Dimensions

Description

Type

IP65



Illuminated selector head, maintained

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

suitable contact blocks:

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

front bezel: black



OKJWAL...

suitable contact blocks:

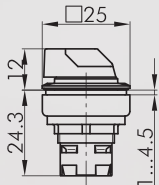
ASI AZ BZ BZ...k B439 CT CZ

front bezel: black



OKJWBL...

IP65



Illuminated selector head, momentary

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

suitable contact blocks:

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

front bezel: black



OKJSTAL...

suitable contact blocks:

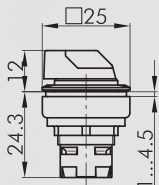
ASI AZ BZ BZ...k B439 CT CZ

front bezel: black



OKJSTBL...

IP65



Illuminated selector head, left maintained, right momentary

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

suitable contact blocks:

ASI AZ BZ BZ...k B439 CT CZ

front bezel: black



OKJWCL...

IP65



Selector head for desert application, maintained

tested with coarse Arizona dust

suitable contact blocks:

ASI AZ BZ BZ...k CT CZ

front bezel: black

Knob colour: black



OKJWB_514

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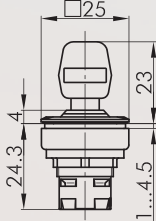
Type Index

Key Switches (momentary/maintained)

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

Illustration	Dimensions	Description	Type
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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: black

OKJSSA12

suitable contact blocks:
ASI AZ BZ BZ.k B439 CT CZ

front bezel: black

OKJSSA13

suitable contact blocks:
ASI AZ B B.k BZ BZ.k B439 CT CTF CTP CZ

front bezel: black

OKJSSA14

suitable contact blocks:
ASI AZ B B.k BZ BZ.k B439 CT CTF CTP CZ

front bezel: black

OKJSSA15

suitable contact blocks:
ASI AZ B B.k BZ BZ.k B439 CT CTF CTP CZ

front bezel: black

OKJSSA16

suitable contact blocks:
ASI AZ B B.k BZ BZ.k B439 CT CTF CTP CZ

front bezel: black


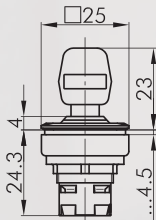
OKJSSA17

suitable contact blocks:
ASI AZ B B.k BZ BZ.k B439 CT CTF CTP CZ

front bezel: black

OKJSSA18

IP65


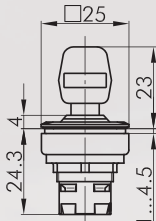
Key actuator, maintained (3 different keys)
including three keys
1st key: two-way operation
2nd key: operation to the left only
3rd key: operation to the right only

suitable contact blocks:
ASI AZ BZ BZ.k B439 CT CZ

front bezel: black

OKJSSA31

IP65

Key actuator, momentary
including two keys
other lock types on request

suitable contact blocks:
ASI AZ BZ BZ.k B439 CT CZ

front bezel: black

OKJSSA23

suitable contact blocks:
ASI B B.k BZ BZ.k B439 CT CTF CTP CZ

front bezel: black

OKJSSA28

Key Switches (momentary/maintained)

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

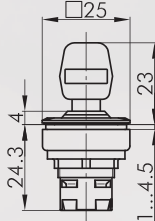
Illustration

Dimensions

Description

Type

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: black



OKJSSA25

Accessories



Standard spare keys

standard spare key, specify key number for special locks

ESMIC482

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Buzzers

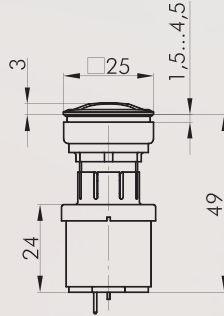
Illustration

Dimensions

Description

Type

IP65

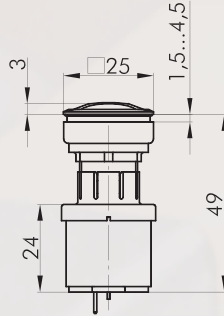


Buzzer

operating voltage: 12 ... 24V DC
operating current: 5mA (12V DC)
16mA (24V DC)
signal frequency: 3.8 +/- 0.5 kHz
volume: max. 85 db (10 cm, 24V)
max. 75 db (10 cm, 12V)
operating temperature: -20°C ... 60°C
Connection type: Faston terminals 2.8x0.8 mm
front bezel: black

OKJNSG+SG-24V

IP65

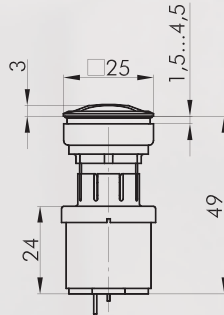


Interval buzzer

operating voltage: 12 ... 24V DC
operating current: max. 30mA
signal frequency: 3.5 +/- 0.5 kHz
volume: max. 85 db (10 cm, 24V)
max. 75 db (10 cm, 12V)
intervall: 1s
operating temperature: -20°C ... 60°C
Connection type: Faston terminals 2.8x0.8 mm
front bezel: black

OKJNSG+SGL-24V

IP65

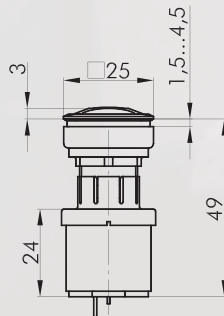


Illuminated buzzer

operating voltage: 12 ... 24V AC/DC
operating current: approx. 30mA
signal frequency: 3.5 +/- 0.5 Hz
volume: max. 85 db (10cm, 24V)
max. 75 db (10cm, 12V)
operating temperature: -20°C ... 60°C
Connection type: Faston terminals 2.8x0.8 mm
front bezel: black

OKJNSGL+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. 75 db (10 cm, 12V)
intervall: 1s
operating temperature: -20°C ... 60°C
Connection type: Faston terminals 2.8x0.8 mm
front bezel: black

OKJNSGL+SGLR-24V

Accessories



Faston clamp 2.8 x 0.8 mm with snap-in pin

FH2,8

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

Panel Mount Jacks

Illustration

Dimensions

Description

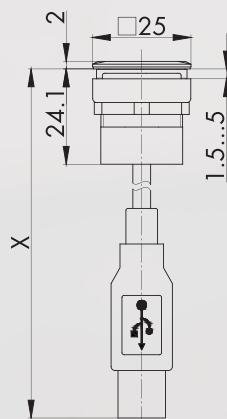
Type



Insulating case

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

IH2,8



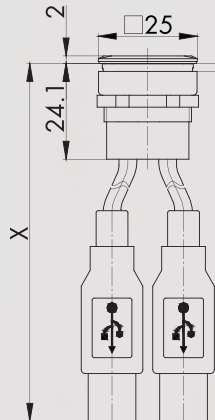
USB2.0 jack A/connector A (60 cm)

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

front bezel: black



OKJ_USB



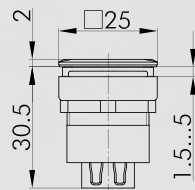
Double USB2.0 jack A/connector A (60 cm)

front:
2x USB3.0 jack type A
rear:
2x USB2.0 cable (length X=600 mm) with plug type A

front bezel: black



OKJ_2USB



USB2.0 jack A/jack A

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

front bezel: black



OKJ_USB_AA

For panel mount jacks, please refer to page 572



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Pilot Lights

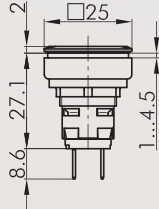
Illustration

Dimensions

Description

Type

IP65



Pilot light with Faston terminals 2.8x0.8 mm

W2x4.6d socket

Connection type:

Faston terminals 2.8x0.8 mm

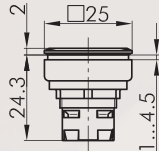
front bezel:

black



OKJL4

IP65



Pilot light head

suitable lampholders:

ASI B B...K CT CTF CTP CZ

front bezel:

black



OKJN

Accessories



Convex lens, transparent

colour:

blue



KOKJFBL

yellow



KOKJFGB

green



KOKJFGN

clear



KOKJFKL

red

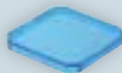


KOKJFRT

white



KOKJFWS



Flat lens, transparent

colour:

blue



TOKJFBL

yellow



TOKJFGB

green



TOKJFGN

clear



TOKJFKL

red

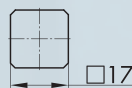


TOKJFRT

white



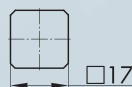
TOKJFWS



Nameplate with standard imprint

please specify index number(see nameplates from page 634)

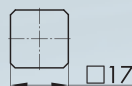
BSOKJ...



Nameplate with special imprint

according to customer's specification

BSOKJB



Blank nameplate

BSOKJU

Accessories for Pushbuttons and Switches

Illustration	Dimensions	Description	Type
		Mounting tool 16 with torque limitation for the series OKTRON, OKTRON-JUWEL, OKTRON-R, RONTRON-R-JUWEL, RONTRON-Q-JUWEL, QUARTRON, QUARTRON-JUWEL, RX-JUWEL	S16
		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. 60 mm for mounting aperture 23 x 23 mm colour: yellow 	NAS_23
		Yellow nameplate with quadrilingual imprint self-adhesive PVC foil outer dia. 60 mm for mounting aperture 23 x 23 mm colour: yellow 	NAS_23_548
IP40 		Protective lid for pushbuttons and jacks of the OKTRON-JUWEL series colour: transparent 	KDOKJ
		Universal lens remover	USK
IP65 		Dummy to close unused mounting apertures colour: black 	BVOKJ

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