



Front dimensions: \varnothing 25 mm
Panel cut-out: \varnothing 16.2 mm
Front bezel height: 7 mm
Travel: 3 mm



OKTRON-R

 Product configurator



Overview OKTRON-R series



01 Pushbutton heads	page 040	07 Key actuators	page 046
02 Emergency-stop heads	page 042	08 Buzzers	page 048
03 Mushroom heads	page 043	09 Pilot light heads / pilot lights	page 050
04 Knob set for potentiometers	page 043	Contact blocks/lampholders	page 414
05 Selector heads	page 044		
06 Toggle heads	page 045		

Housing colours



degree of protection



operating travel



tactile

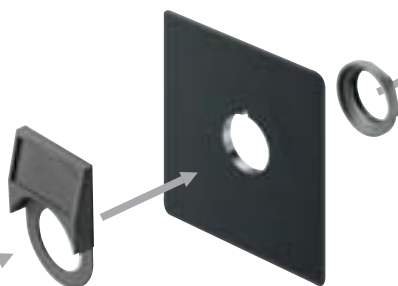


illuminating option



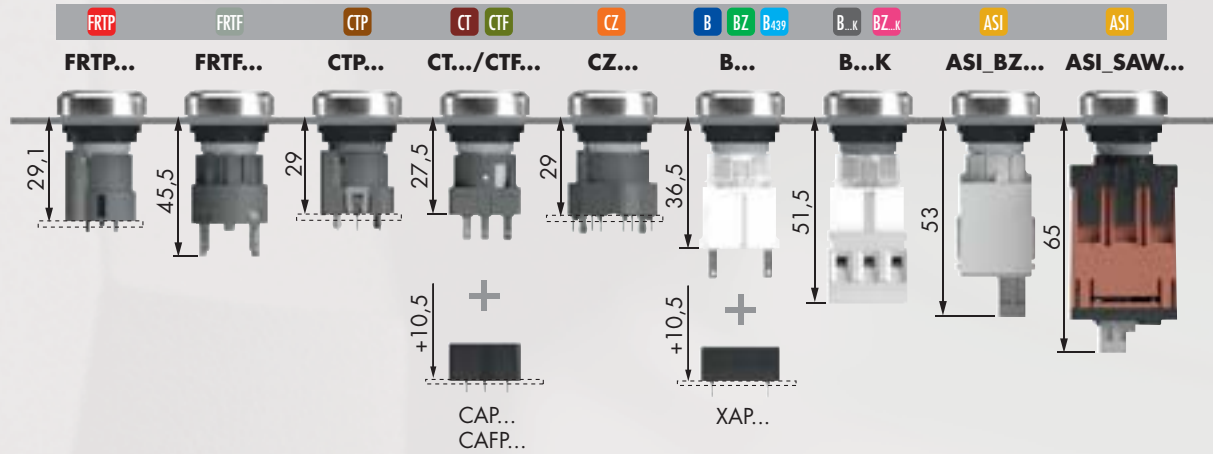
labelling option





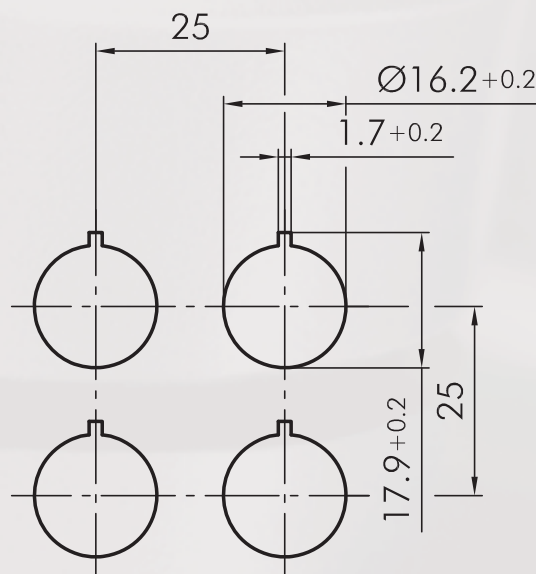
- 
CT...
 Contact blocks
 Faston terminals
page 502
- 
CZ...
 Contact blocks
 PCB-mount terminals
page 494
- 
CTP...
 Contact blocks
 PCB-mount terminals
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- 
CTF...
 Contact blocks
 Faston terminals
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FRTP...
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FRTF...
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 Faston terminals
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B...
 Contact blocks
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BZ...
 Contact blocks
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- 
B.k...
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 screw connection
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- 
BZ.k...
 Contact blocks
 screw connection
page 444
- 
ASI...
 Contact blocks
 for AS-Interface
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- 
ASI...
 Contact blocks
 for AS-Interface
 Safety @ Work
page 560

Mounting depth dimensions

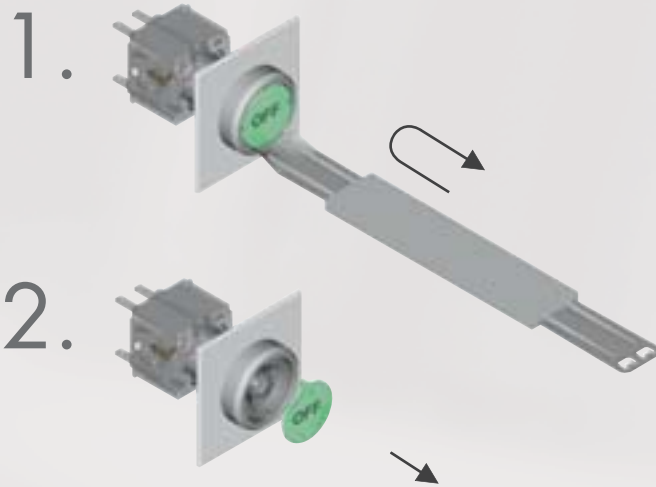


Cutout dimensions

Min. mounting grid 25 x 38 mm when using external nameplate holders


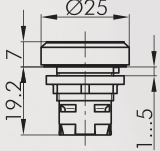

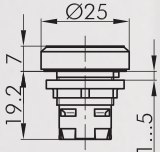

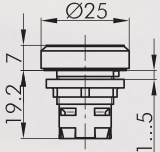

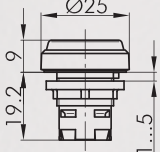

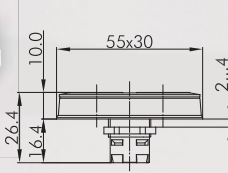


Mounting and service instructions



Pushbuttons

lenses and nameplates to be ordered separately

Illustration	Dimensions	Description	Type
 <p>IP65 3 mm Sun icon Triangle icon</p>		Pushbutton head suitable contact blocks: BUS ASI AZ B B...K BZ BZ.k B439 CT CTF CTP CZ front bezel: charcoal silver-coloured	RKT RKTM
 <p>IP65 3 mm Sun icon</p>		Pushbutton head with ring illumination incl. lens suitable contact blocks: BUS ASI AZ B B...K BZ BZ.k B439 CT CTF CTP CZ front bezel: silver-coloured lens-cap: silver-coloured front bezel: black lens-cap: black	RKTMLR RKTSWLR
 <p>IP65 3 mm Sun icon Triangle icon</p>		Pushbutton head with ring illumination and laser printing incl. lens standard imprints see nameplates on page 634 (please specify index no.) special inscription on request suitable contact blocks: BUS ASI AZ B B...K BZ BZ.k B439 CT CTF CTP CZ front bezel: silver-coloured lens-cap: silver-coloured	RKTMLRL...
 <p>IP67 3 mm Sun icon Triangle icon</p>		Membrane pushbutton head incl. white non-transparent lens (inscription on request) suitable contact blocks: BUS AZ B B...K BZ BZ.k B439 CT CTF CTP CZ front bezel: black	RKTME
 <p>IP65 3 mm Sun icon</p>		Double pushbutton with ring illumination for panel cut-out Ø 16 mm locating pin to be on the right in case of horizontal installation laser printing on request suitable contact blocks: BZ BZ.k CT CZ front bezel: silver-coloured	RRDTLR

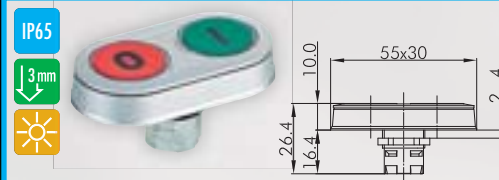
Pushbuttons

Illustration

Dimensions

Description

Type



Double pushbutton head with ring illumination for panel cut-out Ø 16 mm red/green

when mounted horizontally, the anti-rotation tab is on the right

suitable contact blocks:



front bezel: silver-coloured
lens-cap: red/green



RRDTLRGRBW_0003

IP65

3mm



Accessories



Flat lens, transparent

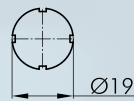
colour:	blue		T20FBL
	yellow		T20FGB
	green		T20FGN
	clear		T20FKL
	red		T20FRT
	opal white		T20FWS



Flat lens, non-transparent

used for pushbuttons without inscription and illumination

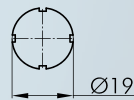
colour:	blue		T20FGBL
	yellow		T20FGGB
	green		T20FGGN
	black		T20FGSW
	red		T20FGRT
	white		T20FGWS



Nameplate with standard imprint

please specify index number (see nameplates from page 634)

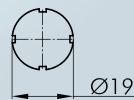
BSRX...



Nameplate with special imprint

according to customer's specification

BSRXB



Blank nameplate

BSRXU

IP67



Sealing cap

made of silicone rubber, down to -50°C

TK26S

Mushroom Pushbuttons

Illustration

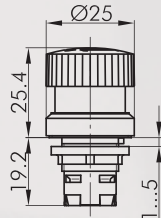
Dimensions

Description

Type

IP65
IP67

3 mm



Emergency-stop head

Foolproof: yes
 Switching position indicator: no
 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:

AZ BZ BZ.k FRTP PTP

front bezel: yellow

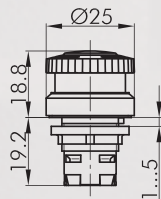
mushroom head: red



RKUVGB

IP65
IP67

3 mm



Illuminated emergency-stop head

other mushroom colours on request
 Foolproof: no
 Switching position indicator: no
 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:

AZ BZ BZ.k FRTP PTP

front bezel: yellow

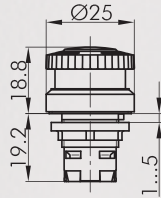
mushroom head: red



RKVGB

IP65

3 mm



Emergency-stop head with illuminating and labelling option

incl. blank nameplate (inscription on request)
 Foolproof: no
 Switching position indicator: no
 Permissive contact: no
 Anti-lock collar: no
 Release: twist right or left

suitable contact blocks:

AZ BZ BZ.k

front bezel: yellow

mushroom head: red



RKVLGB

Mushroom Pushbuttons

Illustration

Dimensions

Description

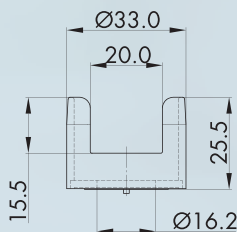
Type



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



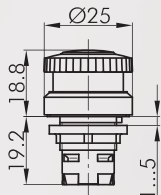
colour:

yellow



RKSK

IP65



Mushroom head, momentary

other mushroom colours on request

Switching position indicator: no

Permissive Contact: no

Anti-lock collar: no

suitable contact blocks:

BUS AZ B B..K BZ BZ..K B-439 CT CTF CTP CZ

front bezel: charcoal

Mushroom head: red

front bezel: silver-coloured

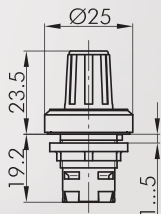
Mushroom head: red



RKS

RKSM

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: charcoal

silver-coloured


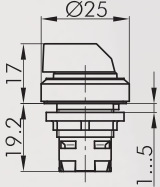



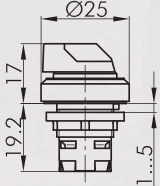



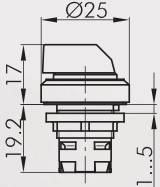



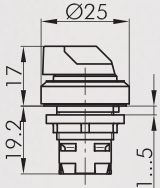




RKR

RKRM

Selector Switches (momentary/maintained)

I = Switching position
> = Spring return

Illustration	Dimensions	Description	Type
		Selector head, maintained suitable contact blocks: BUS ASI AZ B B...K BZ BZ...K B439 CT CTF CTP CZ front bezel: charcoal silver-coloured	 RKWA RKWAM
		suitable contact blocks: ASI AZ BZ BZ...K B439 CT CZ front bezel: charcoal silver-coloured	 RKWB RKWBM
		Selector head, momentary suitable contact blocks: BUS ASI AZ B B...K BZ BZ...K B439 CT CTF CTP CZ front bezel: charcoal silver-coloured	 RKSTA RKSTAM
		suitable contact blocks: ASI AZ BZ BZ...K B439 CT CZ front bezel: charcoal silver-coloured	 RKSTB RKSTBM
		Selector head, left maintained, right momentary suitable contact blocks: ASI AZ BZ BZ...K B439 CT CZ front bezel: charcoal silver-coloured	 RKWC RKWCM
		suitable contact blocks: BUS ASI AZ B B...K BZ BZ...K B439 CT CTF CTP CZ front bezel: charcoal silver-coloured	 RKWAL... RKWALM...
		Illuminated selector head, maintained knob available in blue-BL, yellow-GB, clear-KL, green-GN, red-RT (e.g. RKWAL_GN) suitable contact blocks: BUS ASI AZ B B...K BZ BZ...K B439 CT CTF CTP CZ front bezel: charcoal silver-coloured	 RKWAL... RKWALM...
		suitable contact blocks: ASI AZ BZ BZ...K B439 CT CZ front bezel: charcoal silver-coloured	 RKWBL... RKWBLM...

Selector Switches (momentary/maintained)

I = Switching position
> = Spring return

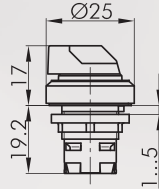
Illustration

Dimensions

Description

Type

IP65



Illuminated selector head, momentary

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

suitable contact blocks:

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

front bezel: charcoal silver-coloured



RKSTAL...
RKSTALM...

suitable contact blocks:

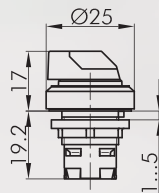
ASI AZ BZ BZ...x B439 CT CZ

front bezel: charcoal silver-coloured



RKSTBL...
RKSTBLM...

IP65



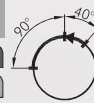
Illuminated selector head, left maintained, right momentary

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

suitable contact blocks:

ASI AZ BZ BZ...x B439 CT CZ

front bezel: charcoal silver-coloured



RKWCL...
RKWCLM...

IP65



Selector head for desert application, maintained

tested with coarse Arizona dust

suitable contact blocks:

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

front bezel: black
knob colour: black



RKWA_514

suitable contact blocks:

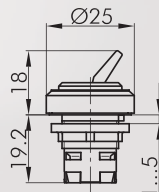
ASI AZ BZ BZ...x CT CZ

front bezel: black
knob colour: black



RKWB_514

IP65



Toggle head

red toggle (other colours on request)

suitable contact blocks:

BUS AZ B B...x BZ BZ...x B439 CT CTF CTP CZ

front bezel: charcoal silver-coloured

RKK_RT
RKKM_RT

Key Switches (momentary/maintained)

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

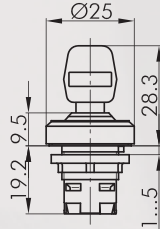
Illustration

Dimensions

Description

Type

IP65



Key actuator, maintained

including two keys
other lock types on request

suitable contact blocks:

ASI AZ BZ BZ.x B439 CT CZ

front bezel: charcoal silver-coloured



suitable contact blocks:

ASI AZ BZ BZ.x B439 CT CZ

front bezel: charcoal silver-coloured



suitable contact blocks:

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

front bezel: charcoal silver-coloured



suitable contact blocks:

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

front bezel: charcoal silver-coloured



suitable contact blocks:

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

front bezel: charcoal silver-coloured



suitable contact blocks:

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

front bezel: charcoal silver-coloured



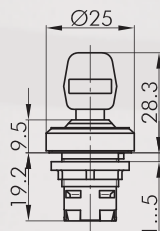
suitable contact blocks:

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

front bezel: charcoal silver-coloured



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.x B439 CT CZ

front bezel: charcoal silver-coloured



Key Switches (momentary/maintained)

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

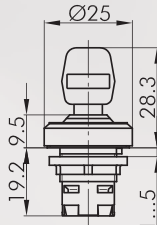
Illustration

Dimensions

Description

Type

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:

charcoal
silver-coloured



RKSSA23
RKSSMA23

suitable contact blocks:

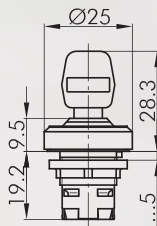
ASI AZ B B.k BZ BZ.k B439 CT CTF CTP CZ

front bezel:

charcoal
silver-coloured



RKSSA28
RKSSMA28



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:

charcoal
silver-coloured



RKSSA25
RKSSMA25

Accessories



Standard spare keys

standard spare key, specify key number for special locks

ESMIC482

About Us

→ Pushbuttons
and Switches

Panel Mount Locks

Emergency-Stop Buttons

Bus Technology

RFID

Enclosures

Pedal Switches

Terminal Blocks

Type Index

Buzzers

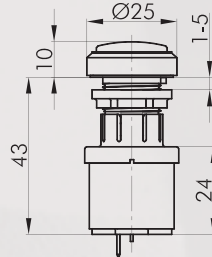
Illustration

Dimensions

Description

Type

IP65



Buzzer

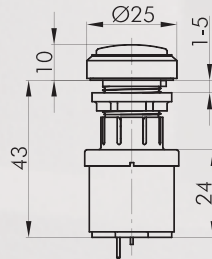
operating voltage: 12 ... 24V DC
operating current: 5mA (12V DC)
16mA (24V DC)
signal frequency: 3.8 +/- 0.5 kHz
volume: max. 90 db (10 cm, 24V)
max. 80 db (10 cm, 12V)
operating temperature: -20°C ... 60°C
Connection type: Faston terminals 2.8x0.8 mm

front bezel: charcoal
silver-coloured



RKNSG+SG-24V
RKNMSG+SG-24V

IP65



Interval buzzer

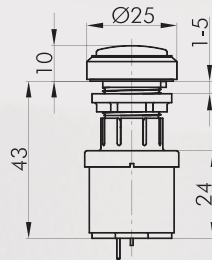
operating voltage: 12 ... 24V DC
operating current: max. 30mA
signal frequency: 3.5 +/- 0.5 kHz
volume: max. 90 db (10 cm, 24V)
max. 80 db (10 cm, 12V)
intervall: 1s
operating temperature: -20°C ... 60°C
Connection type: Faston terminals 2.8x0.8 mm

front bezel: charcoal
silver-coloured



RKNSG+SGL-24V
RKNMSG+SGL-24V

IP65



Illuminated buzzer

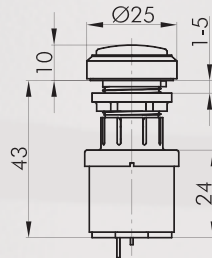
operating voltage: 12 ... 24V AC/DC
operating current: abt. 30mA
signal frequency: 3.5 +/- 0.5 kHz
volume: max. 90 db (10 cm, 24V)
max. 80 db (10 cm, 12V)
operating temperature: -20°C ... 60°C
Connection type: Faston terminals 2.8x0.8 mm

front bezel: charcoal
silver-coloured



RKNSGL+SGLR-24V
RKNMSG+SGLR-24V

IP65



Illuminated interval buzzer




operating voltage: 12 ... 24V DC
operating current: abt. 30mA
signal frequency: 3.5 +/- 0.5 kHz
volume: max. 90 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: charcoal
silver-coloured



RKNSGL+SGLR-24V
RKNMSG+SGLR-24V

Accessories for Pushbuttons and Switches

Illustration	Dimensions	Description	Type
Accessories			
		Faston clamp 2.8 x 0.8 mm with snap-in pin cross section 0.75 - 1.50 mm ² , tin-plated brass, with pin to snapfit into the sockets XA, XAL and the insulating case IH2.8	FH2,8
		Insulating case for Faston clamp FH2,8, slip on from the front	IH2,8
		Double Faston for the connection of 2 Faston clamps FH2.8	FD2,8

Pilot Lights

lenses and nameplates to be ordered separately

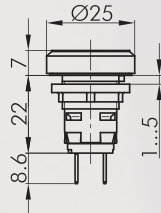
Illustration

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:

charcoal



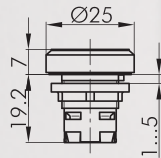
RKL4

silver-coloured



RKL4M

IP65



Pilot light head

suitable lampholders:

ASI B B...K CT CTF CTP CZ

front bezel:

charcoal



RKN

silver-coloured



RKNM

Accessories



Hemispherical lens

colour:

blue



KH20BL

yellow



KH20GB

green



KH20GN

clear



KH20KL

red



KH20RT

opal white



KH20WS



Flat lens, transparent

colour:

blue



T20FBL

yellow



T20FGB

green



T20FGN

clear



T20FKL

red

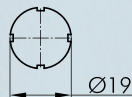


T20FRT

opal white



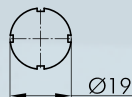
T20FWS



Nameplate with standard imprint

please specify index number(see nameplates from page 634)

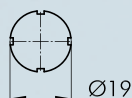
BSRX...



Nameplate with special imprint

according to customer's specification




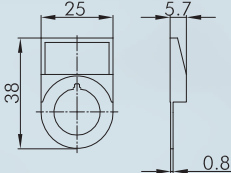



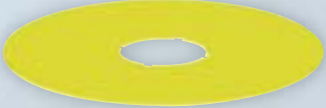

BSRXB



Blank nameplate

BSRXU

Accessories for Pushbuttons and Switches

Illustration	Dimensions	Description	Type
Accessories			
		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
		External nameplate holder for outside marking of the actuators of the OKTRON-R series, accepts self-adhesive nameplates colour: charcoal 	RKABT
		Self-adhesive nameplate laser-printed inscription according to customer's specification dimensions: 22 x 11 mm	BZ16L...
		Self-adhesive nameplate blank dimensions: 22 x 11 mm	BZ16U
		Self-adhesive nameplate with standard imprint please specify index number (see nameplates from page 634) dimensions: 22 x 11 mm	BZ16B...
		Yellow nameplate self-adhesive PVC foil printing on request outer dia. 60 mm for mounting dia. 16 mm colour: yellow 	NAS_16

Accessories OKTRON-R

Ø 16.2 mm

MADE IN GERMANY



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Accessories for Pushbuttons and Switches

Illustration	Dimensions	Description	Type
		Yellow nameplate with quadrilingual imprint self-adhesive PVC foil outer dia. 60 mm for mounting dia. 16 mm colour: yellow	 NAS_16_548
		Universal lens remover	USK
	IP65	Round dummy to close unused mounting apertures colour: charcoal	 RX16

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