



Front dimensions: Ø 37,5 mm
Panel cut-out: Ø 30,5 mm
Front bezel height: 6.7 mm
Travel: 6 mm




KONMBITAST-R




01 Pushbutton Heads	page 317	05 Toggle Heads	page 322
02 Emergency Stop Buttons	page 318	06 Key Actuators	page 323
03 Knob Set for Rotary Switch / Potentiometer	page 321	07 Pilot Lights	page 326
04 Selector Heads	page 321		

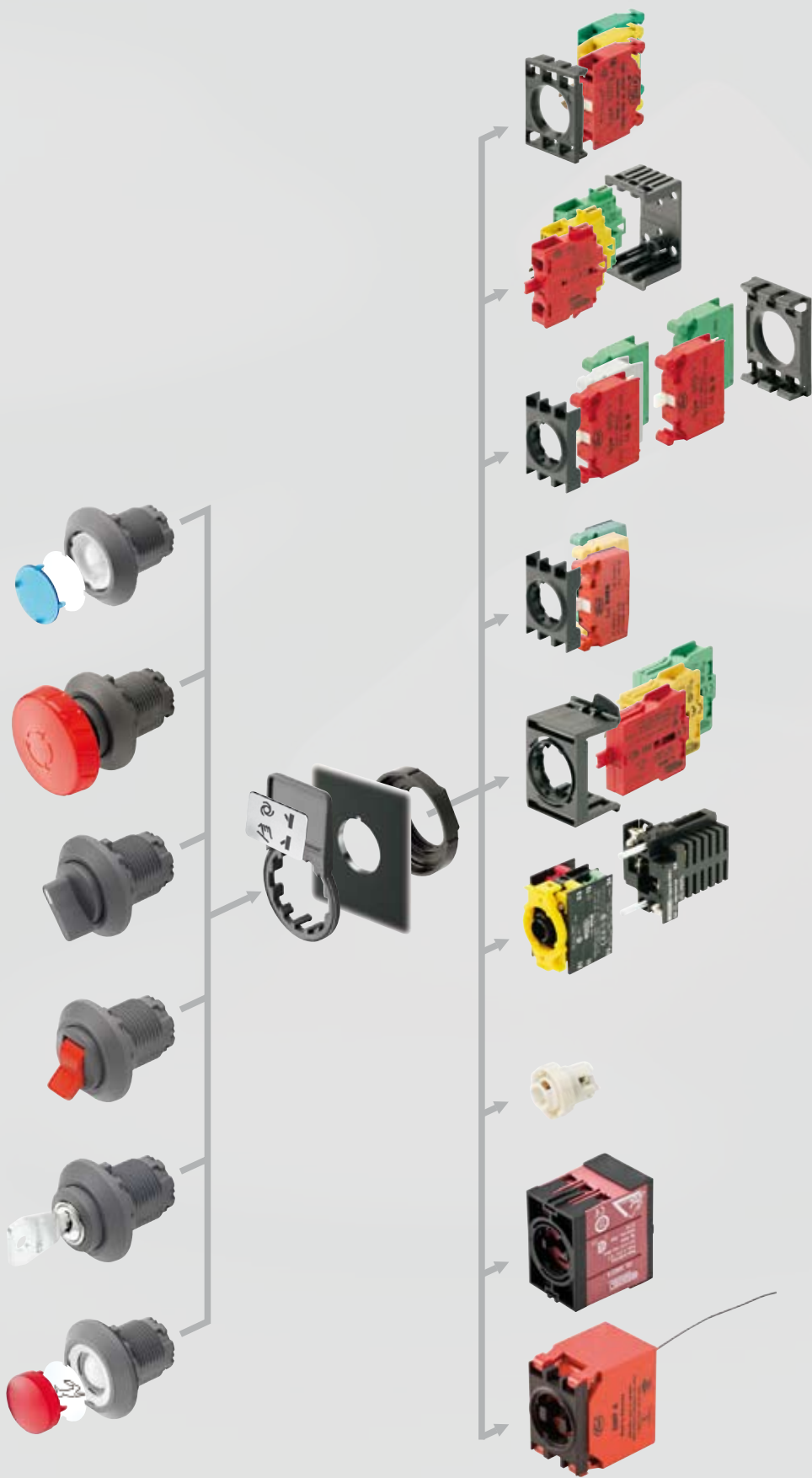


IP65 degree of protection

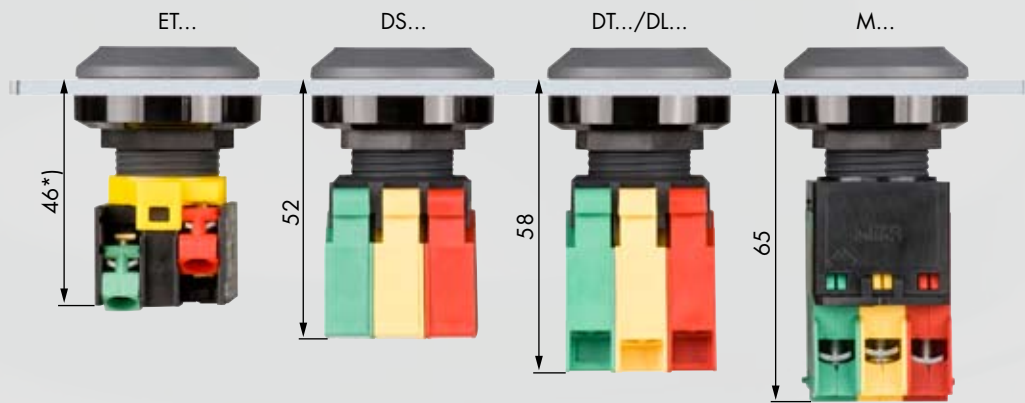
 illuminating option

6mm operating travel

 labelling option



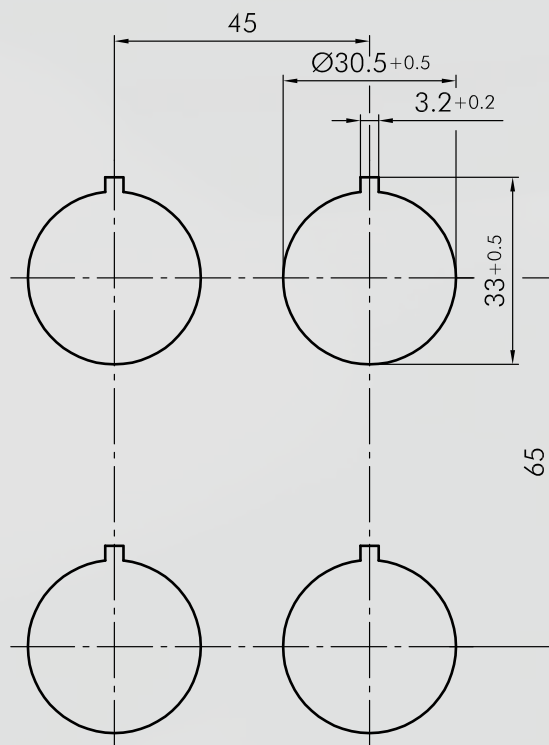
Mounting Depth Dimensions



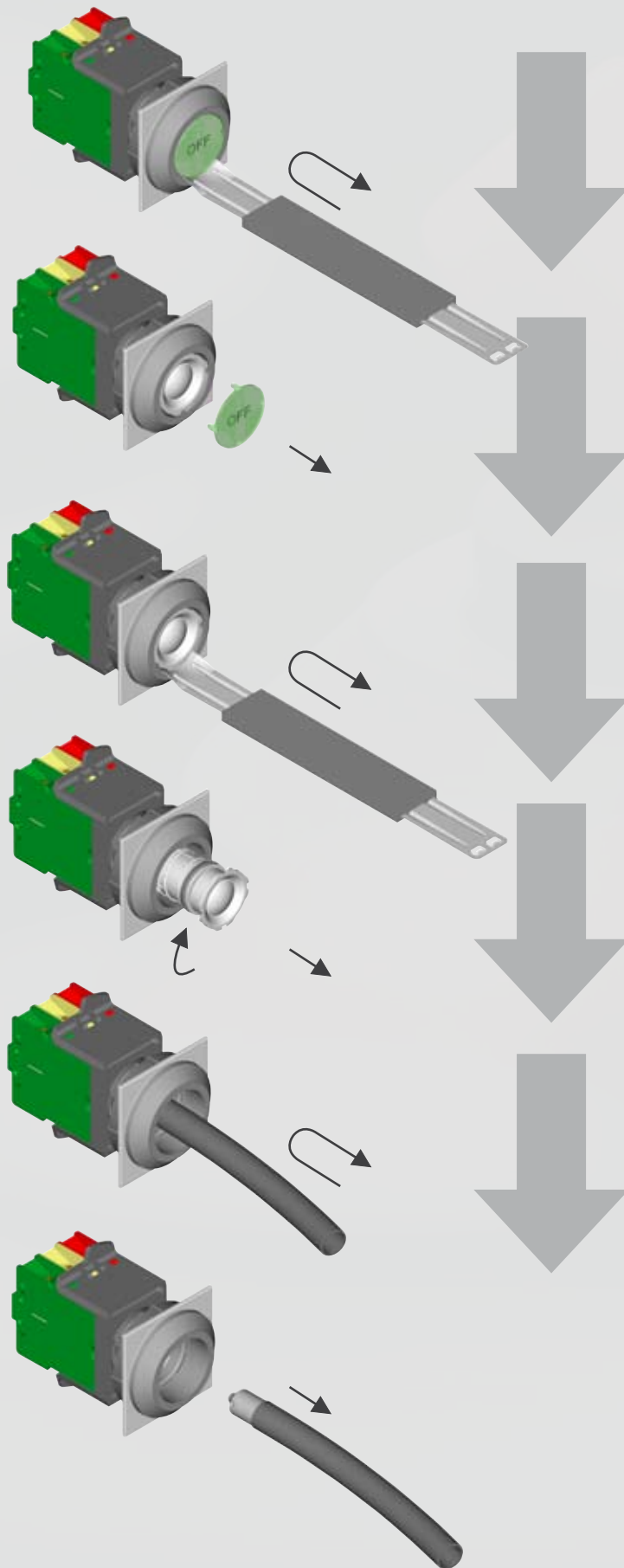
* ETR2 66mm, ETLR 55mm, ETLR2 75mm, EL9R 41mm

Cutout Dimensions

Mounting grid acc. to DIN EN 50007



Mounting and Service Instructions



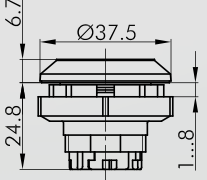





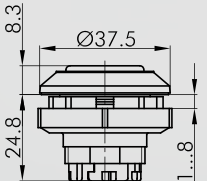




	KRBUV	KRBUVSE	KRFV	KRGS	KRGV	KRK	KRN	KRR	KRSCHA...	KRSSA12E	KRSSA13E	KRSSA14E	KRSSA15E	KRSSA17E	KRSSA18E	KRSSA23E	KRSSA24E	KRSSA27E	KRSTA	KRSTB	KRT	KRTM	KRUV	KRUIP	KRV	KRVSCH	KRWA	KRWAL	KRWB	KRWBL	KRWC	KRWCI	
ASI_SAW22A	●	●																					●	●									
ASI_SAW22E	●	●																					●	●									
DL							●															Ⓛ	Ⓛ					●		●		●	
DSL9							●															●	●					●		●		●	
DSTI	●	●	●	●	●	●						●	●	●	●			●	●			Ⓛ	Ⓛ	●	●	○	Ⓛ	●	●				
DSTO	●	●	●	●	●	●					●	●	●	●	●		●	●				Ⓛ	Ⓛ	●	●	○	Ⓛ	●	●				
DTI	③	③	●	●	●	●			Ⓛ	Ⓐ	Ⓐ	Ⓐ	Ⓐ	Ⓐ	Ⓐ	Ⓐ	Ⓐ	Ⓐ	●	●		Ⓛ	Ⓛ	③	③	●	Ⓛ	Ⓐ	Ⓐ	Ⓐ	Ⓐ	Ⓐ	
DTIV				●	●	●			Ⓛ	Ⓐ	Ⓐ	Ⓐ	Ⓐ	Ⓐ	Ⓐ	Ⓐ	Ⓐ	Ⓐ	●	●		Ⓛ	Ⓛ			Ⓛ	Ⓐ	Ⓐ	Ⓐ	Ⓐ	Ⓐ	Ⓐ	
DTO	③	③	●	●	●	●			Ⓛ	Ⓐ	Ⓐ	Ⓐ	Ⓐ	Ⓐ	Ⓐ	Ⓐ	Ⓐ	Ⓐ	●	●		Ⓛ	Ⓛ	③	③	●	Ⓛ	Ⓐ	Ⓐ	Ⓐ	Ⓐ	Ⓐ	
DTON				●	●	●			Ⓛ	Ⓐ	Ⓐ	Ⓐ	Ⓐ	Ⓐ	Ⓐ	Ⓐ	Ⓐ	Ⓐ	●	●		Ⓛ	Ⓛ			Ⓛ	Ⓐ	Ⓐ	Ⓐ	Ⓐ	Ⓐ	Ⓐ	
DZL							●															Ⓛ	Ⓛ					●		●		●	
DZTI	③	③	●	●	●	●			Ⓛ	Ⓐ	Ⓐ	Ⓐ	Ⓐ	Ⓐ	Ⓐ	Ⓐ	Ⓐ	Ⓐ	●	●		Ⓛ	Ⓛ	③	③	●	Ⓛ	Ⓐ	Ⓐ	Ⓐ	Ⓐ	Ⓐ	
DZTIV				●	●	●			Ⓛ	Ⓐ	Ⓐ	Ⓐ	Ⓐ	Ⓐ	Ⓐ	Ⓐ	Ⓐ	Ⓐ	●	●		Ⓛ	Ⓛ			Ⓛ	Ⓐ	Ⓐ	Ⓐ	Ⓐ	Ⓐ	Ⓐ	
DZTO	③	③	●	●	●	●			Ⓛ	Ⓐ	Ⓐ	Ⓐ	Ⓐ	Ⓐ	Ⓐ	Ⓐ	Ⓐ	Ⓐ	●	●		Ⓛ	Ⓛ	③	③	●	Ⓛ	Ⓐ	Ⓐ	Ⓐ	Ⓐ	Ⓐ	
DZTON				●	●	●			Ⓛ	Ⓐ	Ⓐ	Ⓐ	Ⓐ	Ⓐ	Ⓐ	Ⓐ	Ⓐ	Ⓐ	●	●		Ⓛ	Ⓛ			Ⓛ	Ⓐ	Ⓐ	Ⓐ	Ⓐ	Ⓐ	Ⓐ	
EL9R							●																										
ETLR																							●	●				●		●		●	
ETLR2																							●	●				●		●		●	
ETR	●	●	●	●	●	●			●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
ETR2	●	●	●	●	●	●			●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
L9R							●																										
MF																							●	●									
MFL																							●	●									
ML							●																●	●				●		●		●	
MLED230B							●																●	●				●		●		●	
MLED230G							●																●	●				●		●		●	
MLED230R							●																●	●				●		●		●	
MLED230W							●																●	●				●		●		●	
MLED230Y							●																●	●				●		●		●	
MLED24B							●																●	●				●		●		●	
MLED24G							●																●	●				●		●		●	
MLED24R							●																●	●				●		●		●	
MLED24W							●																●	●				●		●		●	
MLED24Y							●																●	●				●		●		●	
MT97																							●	●									
MTI	③	③	●	●	●	●			Ⓛ	②	②	②	②	②	②	②	②	②	④	④		●	●	③	③	●	Ⓛ	●	●	●	●	●	
MTIV				●	●	●																	●	●				●	●	●	●	●	
MTM										●	●					●							●	●					●		●		
MTO	③	③	●	●	●	●			Ⓛ	②	②	②	②	②	②	②	②	②	④	④		●	●	③	③	●	Ⓛ	●	●	●	●	●	
MTON				●	●	●				②	②	②	②	②	②	②	②	②	④	④		●	●				●	●	●	●	●	●	
MTOSF	②	②	②	②	②																			②	②	②							
MTZU																							●	●									
MZL							●																●	●				●		●		●	
MZTI	③	③	●	●	●	●			Ⓛ	②	②	②	②	②	②	②	②	②	④	④		●	●	③	③	●	Ⓛ	●	●	●	●	●	
MZTO	③	③	●	●	●	●			Ⓛ	②	②	②	②	②	②	②	②	②	④	④		●	●	③	③	●	Ⓛ	●	●	●	●	●	

- possible combination
- optimal combination
- Ⓛ max. 1 modular contact element can be snapped into centre position
- Ⓛ max. 2 modular contact elements per level, to be snapped into outer positions 1+3
- ② max. 2 modular contact elements
- ③ max. 3 modular contact elements (foolproofness guaranteed)
- ④ max. 4 modular contact elements
- Ⓐ please add *_497 to the actuator type ref.

Pushbutton Heads (momentary/push-push)

Lenses and nameplates to be ordered separately

Illustration	Dimensions	Description	Type
 		Pushbutton Head front bezel charcoal	KRT
		Flat Lens, transparent available in blue-BL, yellow-GB, green-GN, clear-KL, red-RT, opalwhite-WS, add code letter to type number, e.g. TG22BL	TG22...
		Nameplate with standard imprint, please specify index number (see nameplates)	BSK...
		Nameplate with special imprint according to customer's specifications	BSKB
		Blank Nameplate	BSKU
 		Membrane Pushbutton Head with fully closed, transparent silicone cap, down to -50° C front bezel charcoal	KRTM
		Flat Lens, transparent available in blue-BL, yellow-GB, green-GN, clear-KL, red-RT, opalwhite-WS, add code letter to type number, e.g. T20FBL	T20F...
		Nameplate with standard imprint, please specify index number (see nameplates)	BSRX...

Index
 Control Units
 Bus Technology
 Limit Switches
 Pushbutton
 Terminal Block

Ø 30 mm

Emergency Stop Buttons

Illustration	Dimensions	Description	Type
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		Nameplate with special imprint according to customer's specifications	BSRXB
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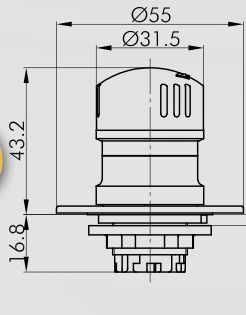


		Blank Nameplate	BSRXU
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IP67

		Sealing Cap made of silicone rubber, down to -50°C	TK40
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IP65



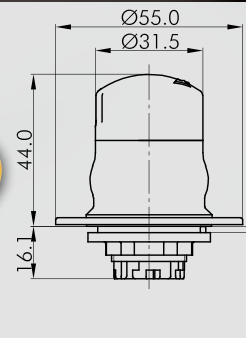
		Emergency-stop Head consisting of QRUV and adapter	
		foolproof	Yes
		switching position indicator	Yes
		anti-lock collar	No
		release	twist right or left
		mushroom head	red
		front bezel	yellow

KRUV

IP65

IP66

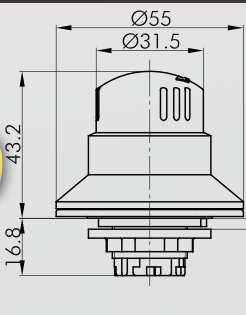
IP69K



		Emergency-stop Head for hygienic applications consisting of QRUV and adapter, conforms to BG acc. to DIN EN 1672-2 and GS-FW01/01	
		foolproof	Yes
		switching position indicator	No
		anti-lock collar	No
		release	twist right or left
		mushroom head	red
		front bezel	yellow

KRUV

IP65



		Emergency-stop Head consisting of QRBUV and adapter	
		foolproof	Yes
		switching position indicator	Yes
		anti-lock collar	Yes
		release	twist right or left
		mushroom head	red
		front bezel	yellow

KRBUV

Emergency Stop Buttons Mushroom Heads

Illustration	Dimensions	Description	Type
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IP65

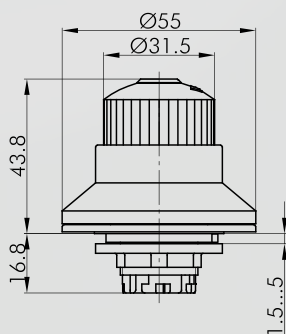


Emergency-stop Head

consisting of QRBUVSE and adapter

foolproof	Yes
switching position indicator	Yes
anti-lock collar	Yes
release	key release
mushroom head	red
front bezel	yellow

KRBUVSE

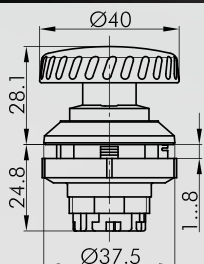


For further emergency stops, please refer to the heading „Emergency-stop Heads“

The emergency-stop heads can also be supplied in other colours and as latching mushroom heads.



IP65



Latching Mushroom Head

with pressure point to avoid accidental actuation

foolproof	No
switching position indicator	No
anti-lock collar	No
release	twist
Standard	DIN EN 60204/VDE 0113
front bezel	charcoal

KRV

Pushers
Micro Switches
Control Units
Accessories
Bus Technology
Enclosures
Limit Switches
Pneumatic Switches
Terminal Blocks

KOMBITAST-R

Ø 30 mm

Mushroom Heads

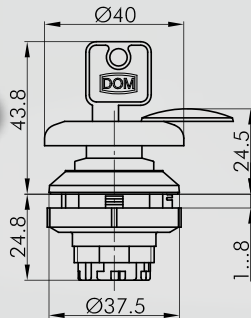
Illustration

Dimensions

Description

Type

IP65



Latching Mushroom Head

with keyhole cover

foolproof

No

switching position indicator

No

anti-lock collar

No

release

key release

Standard

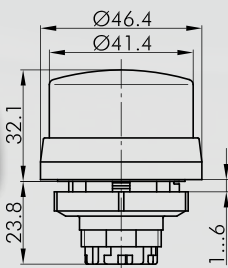
DIN EN 60204/VDE 0113

front bezel

charcoal

KRVSCH

IP65



Mushroom Head, momentary

with yellow anti-lock collar,

other mushroom head colours on request

switching position indicator

No

anti-lock collar

Yes

mushroom head

red


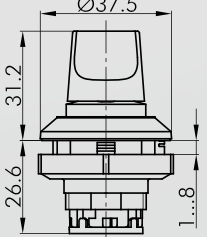

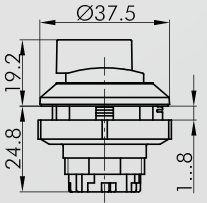


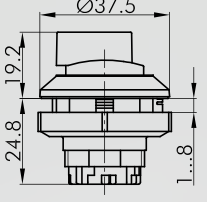


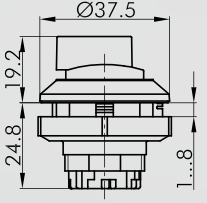


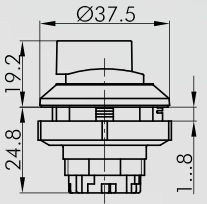

front bezel

yellow

KRGS

**Knob Set for potentiometers
Selector Heads (momentary/maintained)**

I = Switching position
> = Spring return

Illustration	Dimensions	Description	Type
<p>IP65</p> 	 <p>Ø37.5 31.2 26.6 1...8</p>	<p>Knob Set for potentiometers for potentiometers of 6 mm shaft dia. and thread M10x0.75. Delivery without potentiometer. Shaft length: approx. 50 mm ± 2 mm incl. fastening thread front bezel charcoal</p>	<p>KRR</p>
<p>IP65</p> 	 <p>Ø37.5 19.2 24.8 1...8</p>	<p>Selector Head front bezel charcoal</p>	 <p>KRWA</p>
<p>IP65</p> 	 <p>Ø37.5 19.2 24.8 1...8</p>	<p>Selector Head front bezel charcoal</p>	 <p>KRWB</p>
<p>IP65</p> 	 <p>Ø37.5 19.2 24.8 1...8</p>	<p>Selector Head front bezel charcoal</p>	 <p>KRWC</p>
<p>IP65</p> 	 <p>Ø37.5 19.2 24.8 1...8</p>	<p>Selector Head, momentary front bezel charcoal</p>	 <p>KRSTA</p>

IP65
Control Units
Bus Technology
Limit Switches
Push Buttons
Terminal Blocks

KOMBITAST-R

Ø 30 mm

**Selector Heads (momentary/maintained)
Toggle Heads**

I = Switching position
> = Spring return

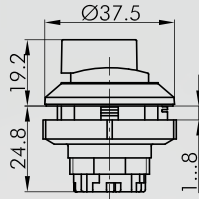
Illustration

Dimensions

Description

Type

IP65

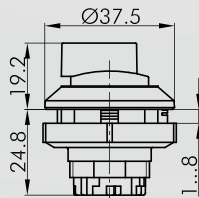


Selector Head, momentary
front bezel charcoal



KRSTB

IP65

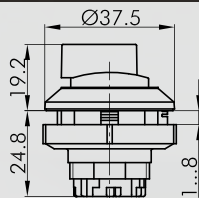


Illuminated Selector Head
inclusive four small, transparent colour plates in red, yellow, green and blue
front bezel charcoal

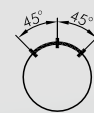


KRWAL

IP65

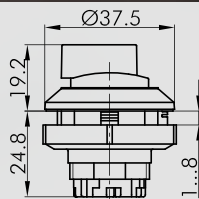


Illuminated Selector Head
inclusive four small, transparent colour plates in red, yellow, green and blue
front bezel charcoal



KRWBL

IP65

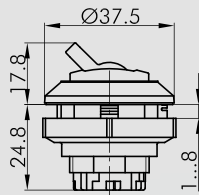


Illuminated Selector Head
inclusive four small, transparent colour plates in red, yellow, green and blue
front bezel charcoal



KRWCL

IP65


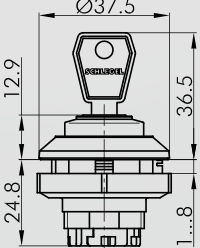
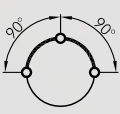

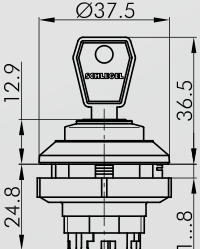
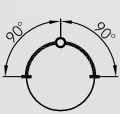

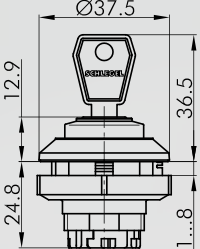
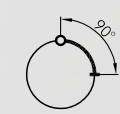

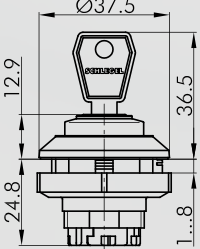
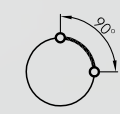


Toggle Head
red toggle (other colours on request)
front bezel charcoal

KRK

Key Actuators (momentary/maintained)

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

Illustration	Dimensions	Description	Type
<p>IP65</p> 	 <p>Ø37.5 12.9 36.5 24.8 1...8</p>	<p>Key Actuator including two keys other lock types on request front bezel charcoal</p>	 <p>KRSSA12E</p>
<p>IP65</p> 	 <p>Ø37.5 12.9 36.5 24.8 1...8</p>	<p>Key Actuator including two keys other lock types on request front bezel charcoal</p>	 <p>KRSSA13E</p>
<p>IP65</p> 	 <p>Ø37.5 12.9 36.5 24.8 1...8</p>	<p>Key Actuator including two keys other lock types on request front bezel charcoal</p>	 <p>KRSSA14E</p>
<p>IP65</p> 	 <p>Ø37.5 12.9 36.5 24.8 1...8</p>	<p>Key Actuator including two keys other lock types on request front bezel charcoal</p>	 <p>KRSSA15E</p>


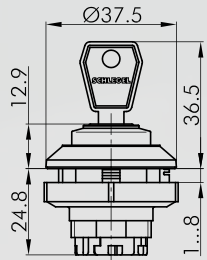


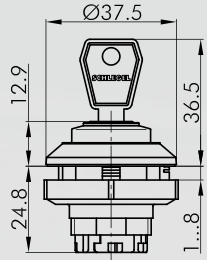


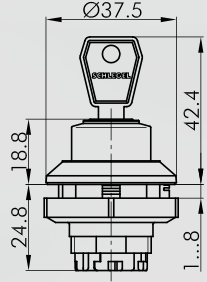


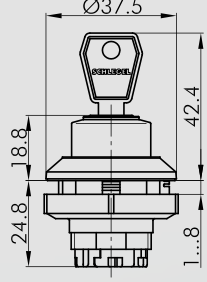



KOMBITAST-R

Ø 30 mm


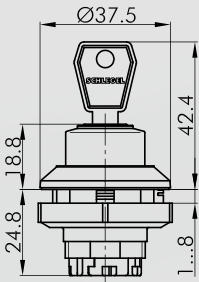


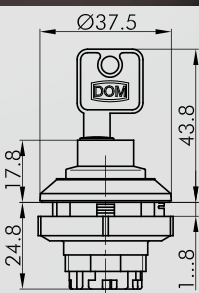


Key Actuators (momentary/maintained)

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

Illustration	Dimensions	Description	Type
		<p>Key Actuator including two keys other lock types on request front bezel charcoal</p>	 <p>KRSSA17E</p>
		<p>Key Actuator including two keys other lock types on request front bezel charcoal</p>	 <p>KRSSA18E</p>
		<p>Key Actuator including two keys other lock types on request front bezel charcoal</p>	 <p>KRSSA23E</p>
		<p>Key Actuator including two keys other lock types on request front bezel charcoal</p>	 <p>KRSSA24E</p>

Key Actuators (momentary/maintained)
Accessories for Actuators

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

Illustration	Dimensions	Description	Type
		<p>Key Actuator including two keys other lock types on request front bezel charcoal</p>	 <p>KRSSA27E</p>
		<p>Lockable Pushbutton Head including two keys</p> <p>Type N: Depresses with or without key. Lock latches in depressed position and resets with key turned clockwise. Key removable in both positions.</p> <p>Type 1: Depresses only with key turned clockwise. Turn key into vertical position, the lock latches. Reset by turning key clockwise. Key removable in both vertical positions.</p> <p>Type 2: Depresses only with key in the right position (= basic position). Turn key into vertical position, the lock latches. Key only removable in the latching position. Reset by turning key clockwise.</p> <p>Type 3: Depresses only with key turned clockwise. The lock does NOT latch in depressed position (key neither turnable nor removable in depressed position; MOMENTARY). Key only removable in the off-position.</p>	<p>front bezel charcoal</p> <p>KRSCHA...</p>
		<p>Spare Keys please specify key number</p>	ES3A...
		<p>Spare Keys please specify key number</p>	ESE...

IP65
 Control Units
 Actuators
 Bus Technology
 Enclosures
 Limit Switches
 Push Buttons
 Terminal Blocks

Ø 30 mm

Pilot Light Heads/Pilot Lights

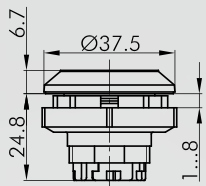
Lenses and nameplates to be ordered separately

Illustration

Dimensions

Description

Type



Pilot Light Head

front bezel charcoal

KRN



High Lens, transparent, for pushbuttons and pilot lights KH23...

available in blue-BL, yellow-GB, green-GN, clear-KL, red-RT, opalwhite-WS, add code letter to type number, e.g. KH23BL



Domed Lens

available in blue-BL, yellow-GB, green-GN, clear-KL, red-RT, opalwhite-WS, add code letter to type number, e.g. KF23BL

KF23...



Nameplate

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

BSK...

Nameplate

with special imprint according to customer's specifications




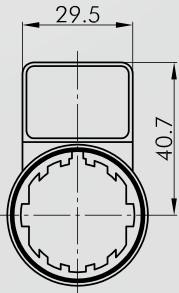



BSKB



Blank Nameplate

BSKU

Accessories for Actuators

Illustration	Dimensions	Description	Type
		Mounting Tool with torque limitation for the series QUARTEX-R(-JUWEL), KOMBITAST-R, RONDEX, RONDEX-M, RVA, DUX-Basic	S22
		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 KOMBITAST-R series, accepts self-adhesive nameplates colour charcoal	KRABT
		Self-adhesive Nameplate, laser-printed Inscription according to customer's specifications Dimensions: 19 x 27 mm	BZ23G
		Self-adhesive Nameplate, blank Dimensions: 19 x 27 mm	BZ23U
		Self-adhesive Nameplate with standard inscription, please specify index no. (see nameplates) Dimensions: 19 x 27 mm	BZ23B...
		Yellow Nameplate self-adhesive PVC foil printing on request outer dia. 75 mm for mounting dia. 30 mm colour yellow	NAS_30



Accessories KOMBITAST-R

Ø 30 mm

Accessories for Actuators

Illustration	Dimensions	Description	Type
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Yellow Nameplate with quadrilingual imprint

self-adhesive PVC foil
 outer dia. 75 mm
 for mounting dia. 30 mm
 colour yellow

NAS_30_548



Lamp Remover

for incandescent lamps FZR9...

LZ8



Universal Lens Remover

USK

IP65



Dummy

to close unused mounting apertures
 colour charcoal

BVKR



Index

Monthly

Control Units

Bus Technology

Englovers

Limit Switches

Push Switches

Terminal Blocks

Accessories