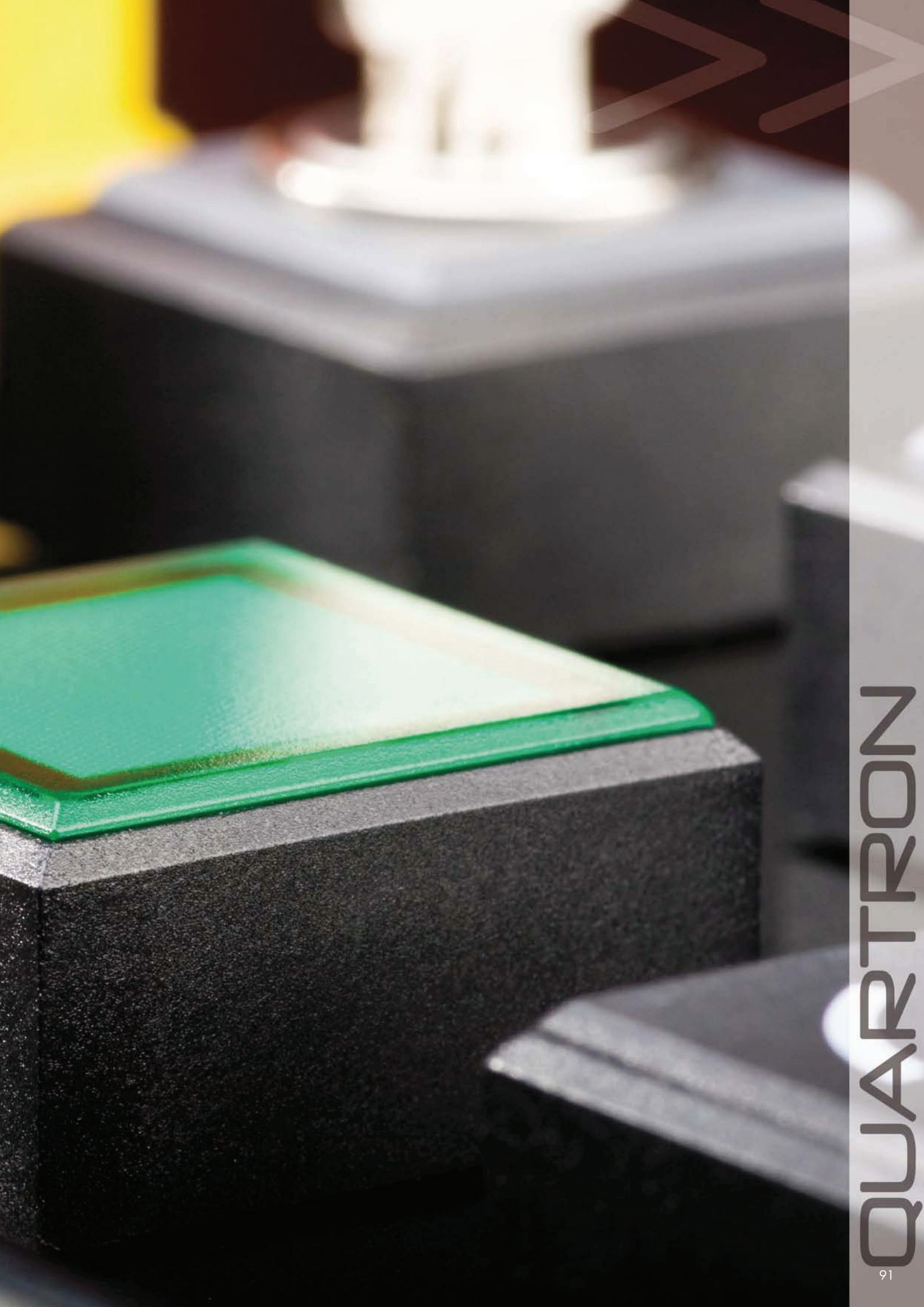




Front dimensions: 25 x 25 mm (24 x 24 mm for mosaic on request)
Panel cut-out: Ø 16 mm
Front bezel height: 12 mm
Travel: 6 mm



QUARTRON



01 Pushbutton Heads	page 97	07 Key Actuators	page 104
02 Emergency Stop Buttons	page 100	08 Acoustic Buzzers	page 109
03 Mushroom Heads	page 100	09 Pilot Lights	page 110
04 Knob Set for Rotary Switch / Potentiometer	page 102		
05 Selector Heads	page 102		
06 Toggle Heads	page 103		

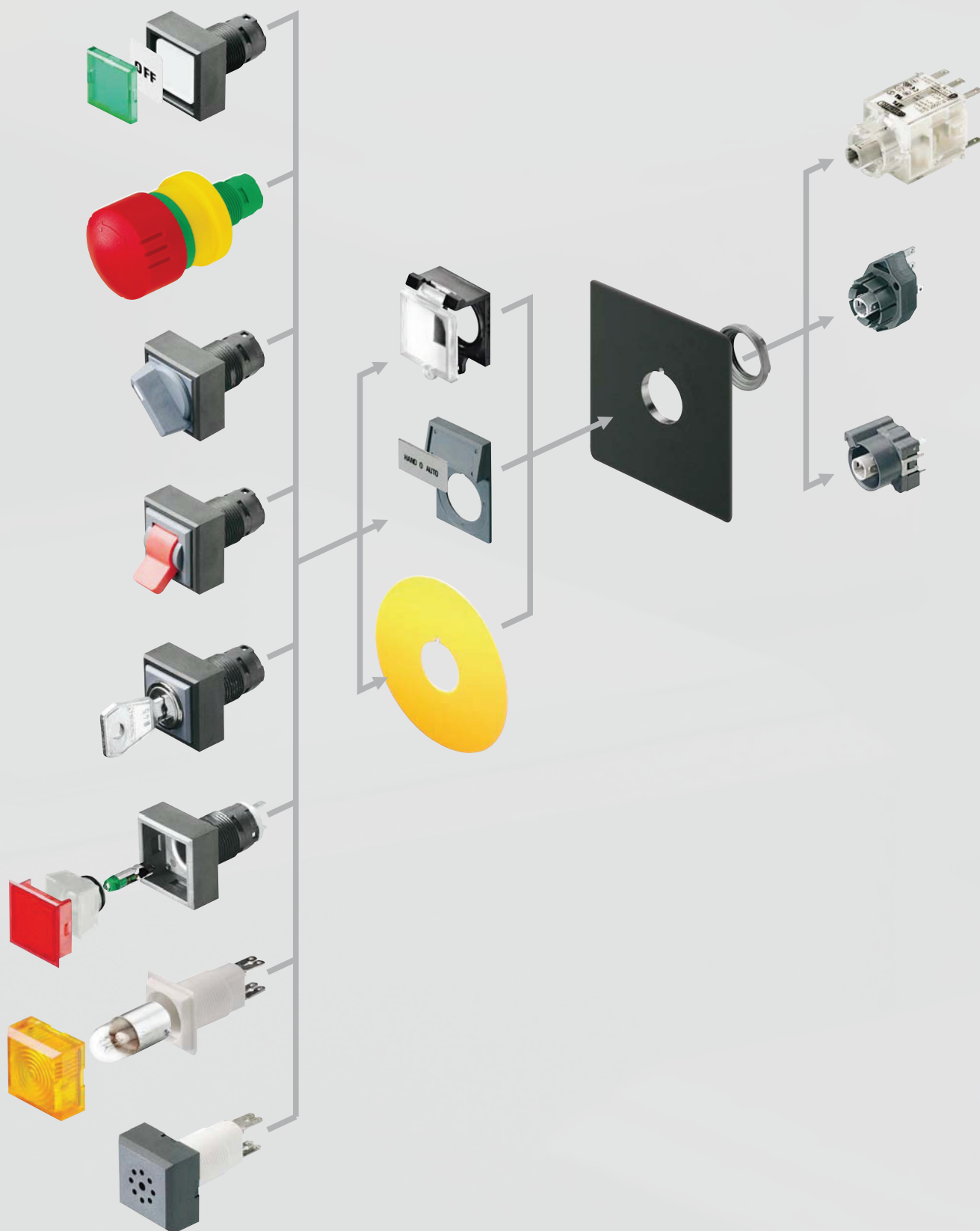


IP65 degree of protection

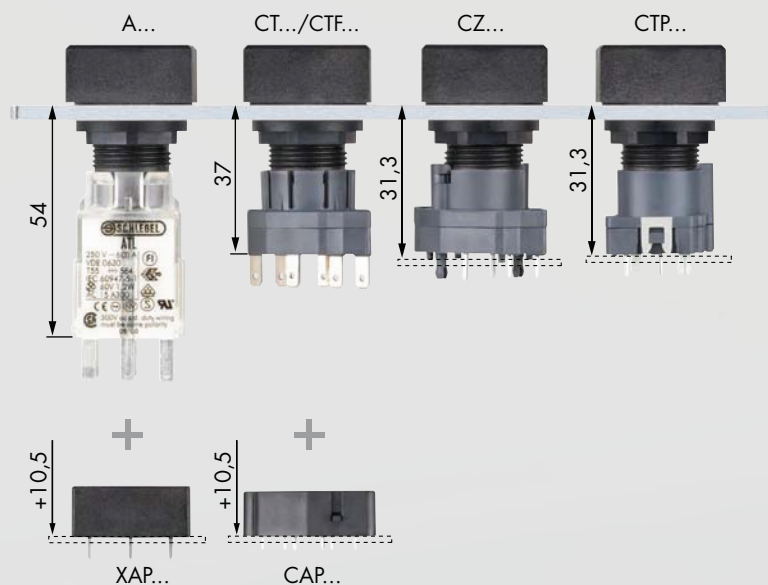
 illuminating option

 operating travel

 labelling option

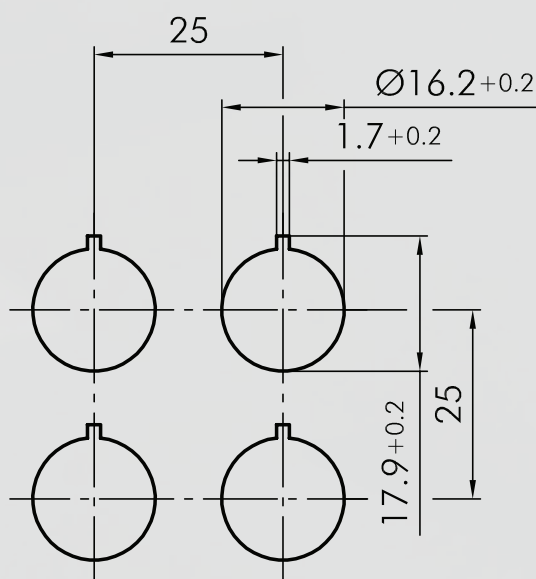


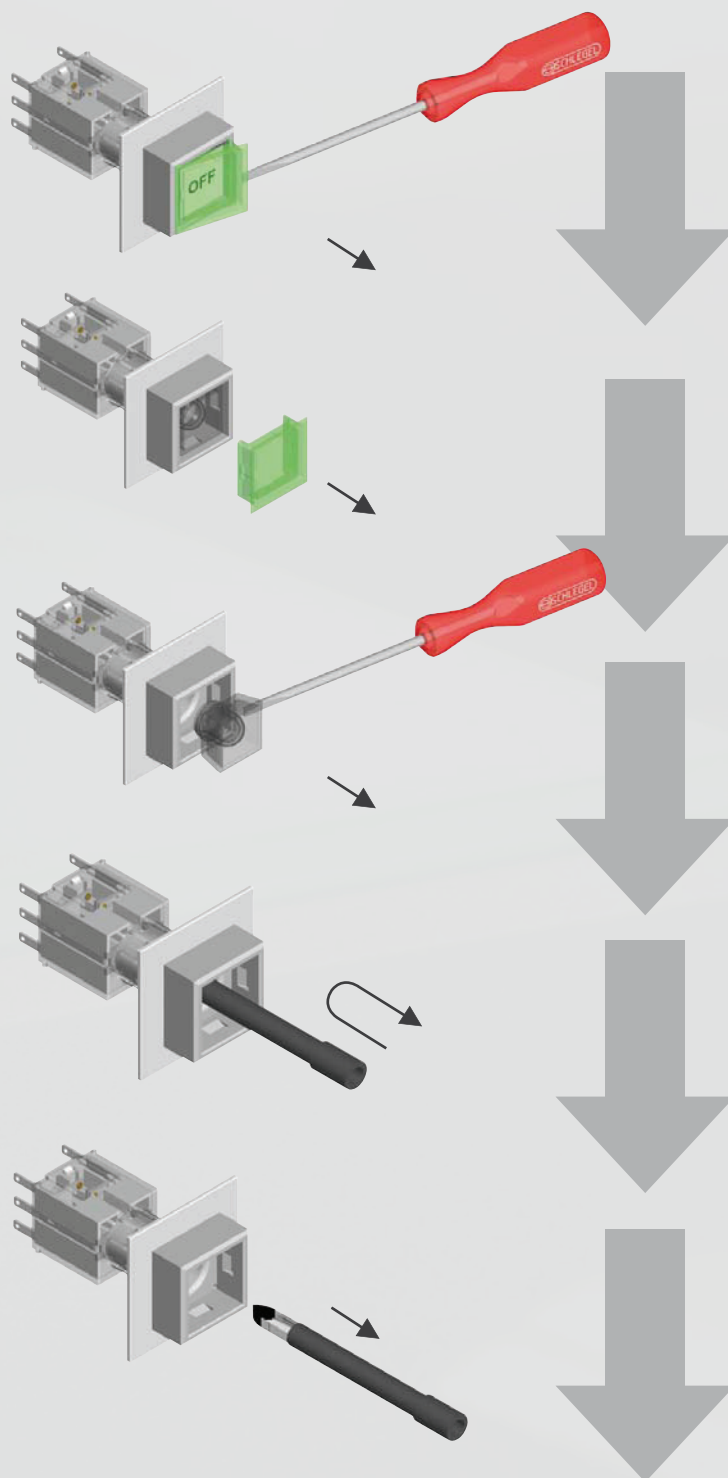
Mounting Depth Dimensions



Cutout Dimensions

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



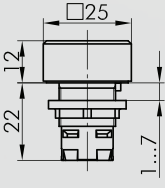
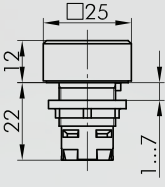
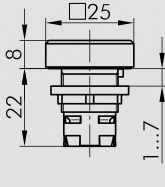
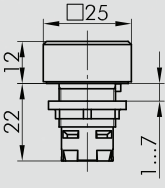


		QXD	QXDM...	QXK	QXN	QXP	QXS	QXSCHA...	QXSSA12E	QXSSA13E	QXSSA14E	QXSSA15E	QXSSA17E	QXSSA18E	QXSSA23E	QXSSA24E	QXSSA25E	QXSSA27E	QXSSKA12E	QXSSKA13E	QXSSKA14E	QXSSKA15E	QXSSKA17E	QXSSKA18E	QXSSKA23E	QXSSKA24E	QXSSKA25E	QXSSKA27E	QXSTA	QXSTB	QXT	QXTAO	QXV	QXV23	QXV5CH	QXWA	QXWB	QXWC		
AF						●																									●	●								
AF2						●																									●	●								
AFL						●																																		
AFL2						●																											●							
AL5					●																																			
AL5-220					●																																			
AT				●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
AT2				●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
ATI				●		●	●	●			●	●	●	●				●			●	●	●	●					●	●	●	●				●	●			
ATL						●																											●	●						
ATL2						●																											●	●						
ATO				●		●	●	●			●	●	●	●				●			●	●	●	●					●	●	●	●	●	●	●	●	●	●	●	
AZ011									●	●							●			●	●					●	●	●					●					●	●	
AZ011_97						●	○																										●	●						
AZ111									●	●							●			●	●					●	●	●					●					●	●	
AZ2				●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
AZOO				○		○	●	○			○	○	○	○				○			○	○	○	○					○	○			○	○	○	○	○	○		
AZOW1				○		○	○		●	●	○	○	○	○	●	●	●	○	●	●	○	○	○	○	○	●	●	●	○		●	○	○				○	●	●	
AZVN									●	●					○	●	●		●	●					○	●	●	●			●						●	●		
CL					●																																			
CLP_485					●																																			
CT		●	●	○		○	○	○			○	○	○	○				○			○	○	○	○				○	○			○	○				○			
CT2		●	●	○		○	○	○			○	○	○	○				○			○	○	○	○				○	○			○	○				○			
CTF		●	●	○		○	○	○			○	○	○	○				○			○	○	○	○				○	○			○	○				○			
CTL		●	●			○																										○								
CTL2		●	●			○																										○								
CTLF		●	●			○																										○								
CTLP_485		●	●			○																										○								
CTP_485		●	●	○		○	○	○			○	○	○	○				○			○	○	○	○				○	○			○	○				○			
CZLP					●																																			
CZTLP		●	●			○																											○							
CZTLP2		●	●			○																											○							
CZTP		●	●	○		○	○	○			○	○	○	○				○			○	○	○	○				○	○			○	○				○			
CZTP2		●	●	○		○	○	○			○	○	○	○				○			○	○	○	○				○	○			○	○				○			
L5					●																																			
PTFOI		●	●	○		○	○	○			○	○	○	○				○			○	○	○	○				○	○			○	○	●	●	●	○			
PTFOO		●	●	○		○	○	○			○	○	○	○				○			○	○	○	○				○	○			○	○	●	●	●	○			
PTFPOI							○	○																											●					
PTFPOO							○	○																											●					
PTPOI		●	●	○		○	○	○			○	○	○	○				○			○	○	○	○				○	○			○	○	●	●	●	○			
PTPOO		●	●	○		○	○	○			○	○	○	○				○			○	○	○	○				○	○			○	○	●	●	●	○			

○ possible combination
● optimal combination

Pushbutton Heads (momentary/push-push)

*) 24 x 24 mm on request,
lenses and nameplates to be ordered separately

Illustration	Dimensions	Description	Type
		Pushbutton Head* front bezel black charcoal	QXT QXTDG
		Release Key - no illumination to be used as a reset pushbutton, accepts the cut-off plunger extension AS... front bezel black	QXTAO
		Cut-off Plunger Extension 80 mm	AS80
		Cut-off Plunger Extension 200 mm	AS200
		Short-stroke Pushbutton Head front bezel black charcoal	QXD QXDDG
		Pushbutton Head* with transparent silicone cap front bezel black	QXP

Pushbutton Heads (momentary/push-push)

lenses and nameplates to be ordered separately

Illustration

Dimensions

Description

Type

IP67

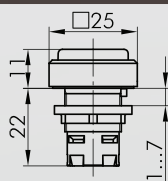


Sealing Cap

made of silicone rubber, down to -50°C

TK25S

IP67



Short-stroke Membrane Pushbutton Head

- with transparent silicone cap, down to -50° C
- with transparent, flat lens, add code letter to type number, e.g. QXDMRT (red-RT, green-GN, yellow-GB, blue-BL, clear-KL)
- with illuminating option, blank nameplate included. Standard or special imprints on request.

front bezel

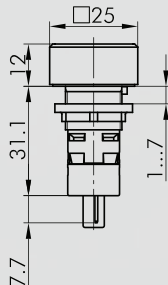
black

charcoal

QXDM...

QXDMDG...

IP65



Pushbutton 1 NO



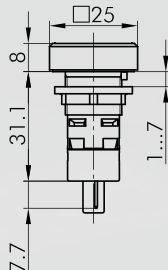
with 2 Faston terminals 2.8x0.8 mm, 250 V, 6(4) A, AC,
with labelling option
(plug sockets for PCB's, type YAP...)

front bezel

black

QXTI

IP65



Short-stroke Pushbutton 1 NO



with 2 Faston terminals 2.8x0.8 mm,
250 V, 6(4) A, AC
(plug sockets for PCBs, type YAP...)

front bezel

black

QXDI

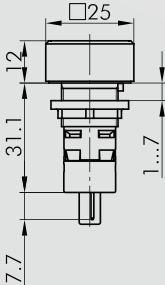
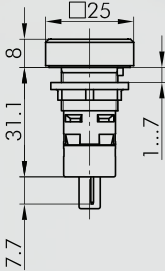
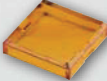
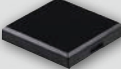
Height Compensation Spacer for QXDI and QXTI

YAP21



Pushbutton Heads (momentary/push-push)

lenses and nameplates to be ordered separately

Illustration	Dimensions	Description	Type
		Pushbutton 1 NC with 2 Faston terminals 2.8x0.8 mm, 250 V, 6(4) A, AC, (plug sockets for PCB's, type YAP...)  front bezel black	QXTO
		Short-stroke Pushbutton 1 NC with 2 Faston terminals 2.8x0.8 mm, 250 V, 6(4) A, AC (plug sockets for PCBs, type YAP...)  front bezel black	QXDO
		Height Compensation Spacer for QXDO and QXTO	YAP20
		Concave Lens, transparent available in blue-BL, yellow-GB, green-GN, clear-KL, red-RT, opalwhite-WS, add code letter to type number, e.g. T25DBL	T25D...
		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. T25FBL	T25F...
		Flat Lens, non-transparent used in pushbuttons without inscription and illumination, available in blue-BL, yellow-GB, green-GN, black-SW, red-RT, white-WS, add code letter to type number, e.g. T25FGWS	T25FG...

Emergency Stop Buttons Mushroom Heads

*) 24 x 24 mm on request

Illustration

Dimensions

Description

Type



High Lens, transparent

available in blue-BL, yellow-GB, green-GN, clear-KL,
red-RT, opalwhite-WS,
add code letter to type number, e.g. T25HBL

T25H...



Nameplate

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

BSQX...

Nameplate

with special imprint according to customer's specifications

BSQXB



Blank Nameplate

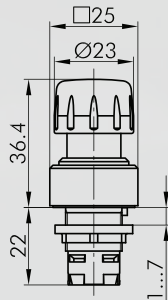
BSQXU



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
↓ 6mm



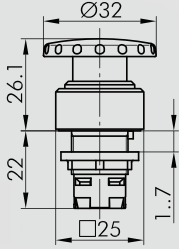
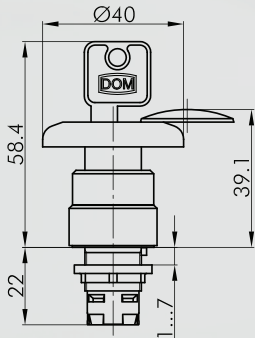
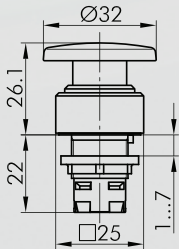
Mushroom Head, latch-type*

twist to reset,
other mushroom colours on request
switching position indicator No
anti-lock collar No
release twist
mushroom head red
front bezel black

QXV23

Mushroom Heads

*) 24 x 24 mm on request

Illustration	Dimensions	Description	Type
IP65 ↓6mm 		Mushroom Head, latch-type* with pre-latching to avoid accidental actuation. Other mushroom colours on request switching position indicator No anti-lock collar No release twist mushroom head red front bezel black charcoal yellow	QXV QXVDG QXVGB
IP65 ↓6mm 		Mushroom Head, latch-type* latching in depressed position, key reset, with keyhole cover switching position indicator No anti-lock collar No release key release mushroom head red front bezel black charcoal	QXVSCH QXVSCHDG
IP65 ↓6mm 		Mushroom Head, momentary* other mushroom colours on request switching position indicator No anti-lock collar No front bezel black charcoal	QXS QXSDG

Knob Set for rotary switches

*) 24 x 24 mm on request

Knob Set for potentiometers

Selector Heads (momentary/maintained)

I = Switching position

> = Spring return

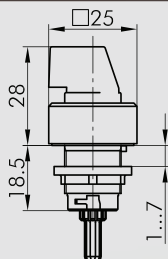
Illustration

Dimensions

Description

Type

IP65



Knob Set for rotary switches, without inscription*

front bezel

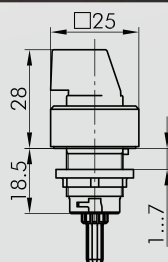
black

charcoal

QXDAU

QXDAUDG

IP65



Knob Set for rotary switches, with inscription*

single-hole fixing,

different versions on request

front bezel

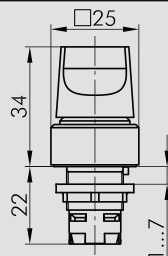
black

charcoal

QXDAB...

QXDABDG...

IP65



Knob Set for potentiometers*

for potentiometers of 6 mm shaft dia. and thread M10x0.75.

Delivery without potentiometer.

Shaft length: approx. 50 mm ± 4 mm

front bezel

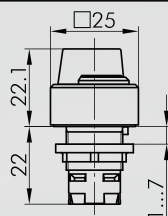
black

charcoal

QXR

QXRDG

IP65



Selector Head*

front bezel

black

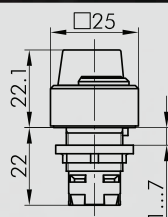
charcoal



QXWA

QXWADG

IP65



Selector Head*

front bezel

black

charcoal



QXWB

QXWBDG

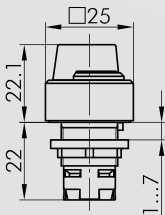
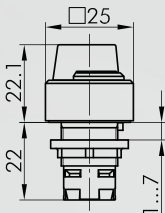
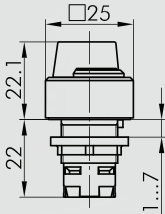
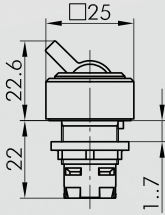
Selector Heads (momentary/maintained)

*) 24 x 24 mm on request

Toggle Heads

I = Switching position

> = Spring return

Illustration	Dimensions	Description	Type
IP65 		Selector Head* front bezel black charcoal	 QXWC QXWCDG
IP65 		Selector Head, momentary* front bezel black charcoal	 QXSTA QXSTADG
IP65 		Selector Head, momentary* front bezel black charcoal	 QXSTB QXSTBDG
IP65 		Toggle Head other toggle colours on request front bezel black charcoal	 QXK QXKDG

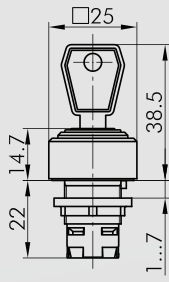
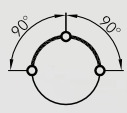
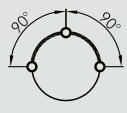
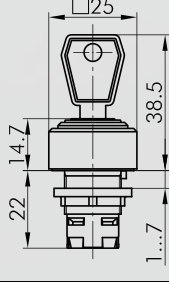
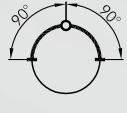
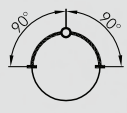
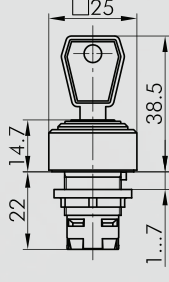
Key Actuators (momentary/maintained)

*) 24 x 24 mm on request

I = Switching position

> = Spring return

○ = Key removable position

Illustration	Dimensions	Description	Type
IP65 		Key Actuator* including two keys other lock types on request front bezel black charcoal	 QXSSA12E QXSSDGA12E
IP65 		Key Actuator with protection cap* including two keys, other lock types on request front bezel black	 QXSSKA12E
IP65 		Key Actuator* including two keys other lock types on request front bezel black charcoal	 QXSSA13E QXSSDGA13E
IP65 		Key Actuator with protection cap* including two keys, other lock types on request front bezel black	 QXSSKA13E
IP65 		Key Actuator* including two keys other lock types on request front bezel black charcoal	 QXSSA14E QXSSDGA14E

Key Actuators (momentary/maintained)

*) 24 x 24 mm on request

I = Switching position

> = Spring return

○ = Key removable position

Illustration

Dimensions

Description

Type

IP65



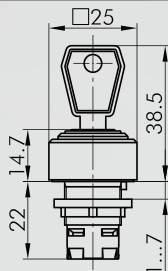
Key Actuator with protection cap*

including two keys,
other lock types on request
front bezel black



QXSSKA14E

IP65



Key Actuator*

including two keys
other lock types on request
front bezel black charcoal



QXSSA15E
QXSSDGA15E

IP65



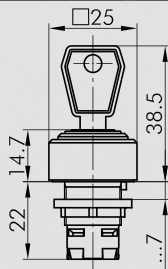
Key Actuator with protection cap*

including two keys,
other lock types on request
front bezel black



QXSSKA15E

IP65



Key Actuator*

including two keys
other lock types on request
front bezel black charcoal



QXSSA17E
QXSSDGA17E

IP65



Key Actuator with protection cap*

including two keys,
other lock types on request
front bezel black



QXSSKA17E

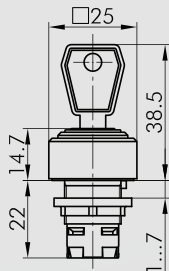
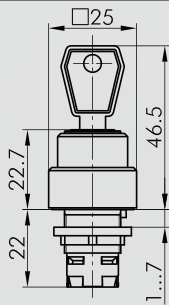
Key Actuators (momentary/maintained)

*) 24 x 24 mm on request

I = Switching position

> = Spring return

○ = Key removable position

Illustration	Dimensions	Description	Type
IP65 		Key Actuator* including two keys other lock types on request front bezel black charcoal	 QXSSA18E QXSSDGA18E
IP65 		Key Actuator with protection cap* including two keys, other lock types on request front bezel black	 QXSSKA18E
IP65 		Key Actuator* including two keys other lock types on request front bezel black charcoal	 QXSSA23E QXSSDGA23E
IP65 		Key Actuator with protection cap* including two keys, other lock types on request front bezel black	 QXSSKA23E

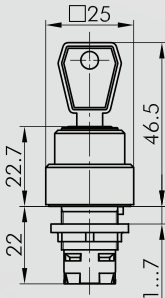
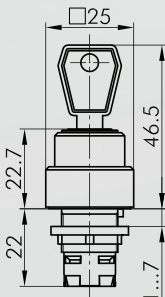
Key Actuators (momentary/maintained)

*) 24 x 24 mm on request

I = Switching position

> = Spring return

○ = Key removable position

Illustration	Dimensions	Description	Type
IP65 		Key Actuator* including two keys other lock types on request front bezel black charcoal	 QXSSA24E QXSSDGA24E
IP65 		Key Actuator with protection cap* including two keys, other lock types on request front bezel black	 QXSSKA24E
IP65 		Key Actuators* including two keys other lock types on request front bezel black charcoal	 QXSSA25E QXSSDGA25E
IP65 		Key Actuator with protection cap including two keys, other lock types on request front bezel black	 QXSSKA25E

Key Actuators (momentary/maintained)

*) 24 x 24 mm on request

I = Switching position

> = Spring return

○ = Key removable position

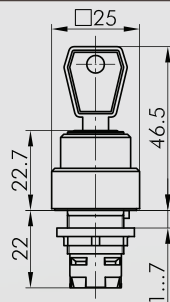
Illustration

Dimensions

Description

Type

IP65



Key Actuator*

including two keys
other lock types on request

front bezel

black

charcoal



QXSSA27E

QXSSDGA27E

IP65



Key Actuator with protection cap*

including two keys,
other lock types on request

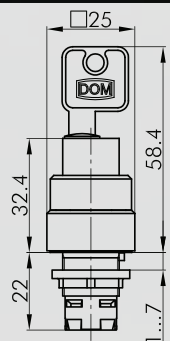
front bezel

black



QXSSKA27E

IP65



Lockable Pushbutton Head*

including two keys

Type N:

Depresses with or without key. Lock latches in depressed position and resets with key turned clockwise. Key removable in both positions.

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.

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.

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.

front bezel

black

front bezel

charcoal

QXSCHA...

QXSCHDGA...

Buzzers

Illustration

Dimensions

Description

Type



Spare Keys

please specify key number

ES3A...

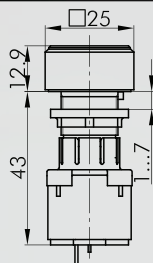


Spare Keys

please specify key number

ESE...

IP65

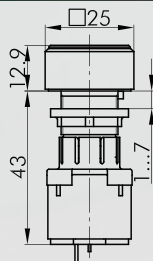


Buzzer

operating voltage: 12 ... 24V AC/DC
operating current: max. 30mA
signal frequency: 3.5 +/- 0.5 Hz
volume: max. 87 db (10cm, 24V)
max. 85 db (10cm, 12V)
operating temperature: -20°C ... 60°C
front bezel: black

QXNSG+SG-24V

IP65



Interval Buzzer

operating voltage: 12 ... 24V AC/DC
operating current: max. 30mA
signal frequency: 3.5 +/- 0.5 Hz
volume: max. 87 db (10cm, 24V)
max. 85 db (10cm, 12V)
interval: 1 s
operating temperature: -20°C ... 60°C
front bezel: black

QXNSG+SIG-24V



Faston Clamp 2.8 x 0.8 mm with snap-in pin

FH2,8

Cross section 0.75 - 1.50 mm², brass, with pin to snapfit into the socket XA, XAL and the insulating case IH2.8



Insulating Case

IH2,8

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



Double Faston

FD2,8

for the connection of 2 Faston clamps FH2.8

Pilot Light Heads/Pilot Lights

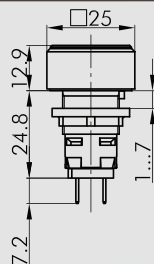
*) 24 x 24 mm on request,
lenses and nameplates to be ordered separately

Illustration

Dimensions

Description

Type



Pilot Light with Faston terminals

2.8x0.8 mm*

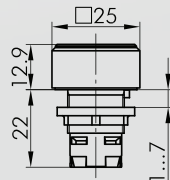
front bezel

black

charcoal

QXL5

QXL5DG



Pilot Light Head*

front bezel

black

charcoal

QXN

QXNDG



Flat Lens, depolished

available in blue-BL, yellow-GB, green-GN, red-RT,
opalwhite-WS,
add code letter to type number, e.g. KF25BL

KF25...



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. KF25KSBL

KF25KS...



Nameplate

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

BSQX...

Nameplate

with special imprint according to customer's specifications

BSQXB

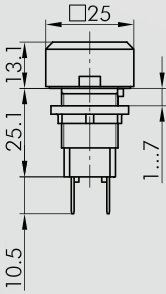
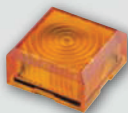


Blank Nameplate

BSQXU

Pilot Light Heads/Pilot Lights

Lenses and nameplates to be ordered separately

Illustration	Dimensions	Description	Type
  		Panoramic Pilot Light with Faston terminals 6.3/2.8x0.8 mm BA9s socket max. 250V 2W	QXL9
		Panoramic Lens available in blue-BL, yellow-GB, green-GN, clear-KL, red-RT, opalwhite-VS, add code letter to type number, e.g. KH25BL	KH25...

Accessories for Actuators

Illustration

Dimensions

Description

Type



Hexagonal Mounting Tool

S16

with torque limitation,
for the series OKTRON, OKTRON-JUWEL,
OKTRON-R, RONTRON-R-JUWEL, RONTRON-R-
Exclusive, RONTRON-Q-JUWEL, RONTRON-Q-
Exclusive, QUARTRON(-L), QUARTRON-JUWEL(-L),
RX, RX-JUWEL



Mounting Tool Adapter with 1/4" connections

SRA

for mounting tools S16 and S22



Threaded Adapter

R16X1

Allows true-to-size mounting of actuators for 16 mm
mounting dia. into 22.5 mm holes.
Includes also a suitable sealing.



External Nameplate Holder

QXABT

for outside marking of the actuators of the
QUARTRON and OKTRON series,
accepts self-adhesive nameplates
colour charcoal

Self-adhesive Nameplate - laser-printed

BZ16G

Inscription according to customer's specification
Dimensions: 22 x 11 mm

Self-adhesive Nameplate - blank

BZ16U

Dimensions: 22 x 11 mm

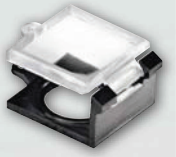


Self-adhesive Nameplate

BZ16B...

with standard inscription, please specify index no.
(see nameplates)
Dimensions: 22 x 11 mm

Accessories for Actuators

Illustration	Dimensions	Description	Type
		Yellow Nameplate self-adhesive PVC foil printing on request outer dia. 60 mm for mounting dia. 16 mm colour yellow	NAS_16
		Yellow Nameplate with quadrilingual imprint self-adhesive PVC foil outer dia. 60 mm for mounting dia. 16 mm colour yellow	NAS_16_548
 		Yellow Protective Shroud for actuators of 16 mm mounting dia. colour yellow	QXSK
		Lead-sealable Protective Lid fits onto the pushbuttons of the QUARTRON series	KDQ16
		Height Compensation Spacer for KDQ16 for height compensation on PCB assembly	KDAU16
		Lamp Remover	LZ-MG
		Universal Lens Remover	USK
		Square Dummy to close unused mounting apertures colour black	Q16

IP65