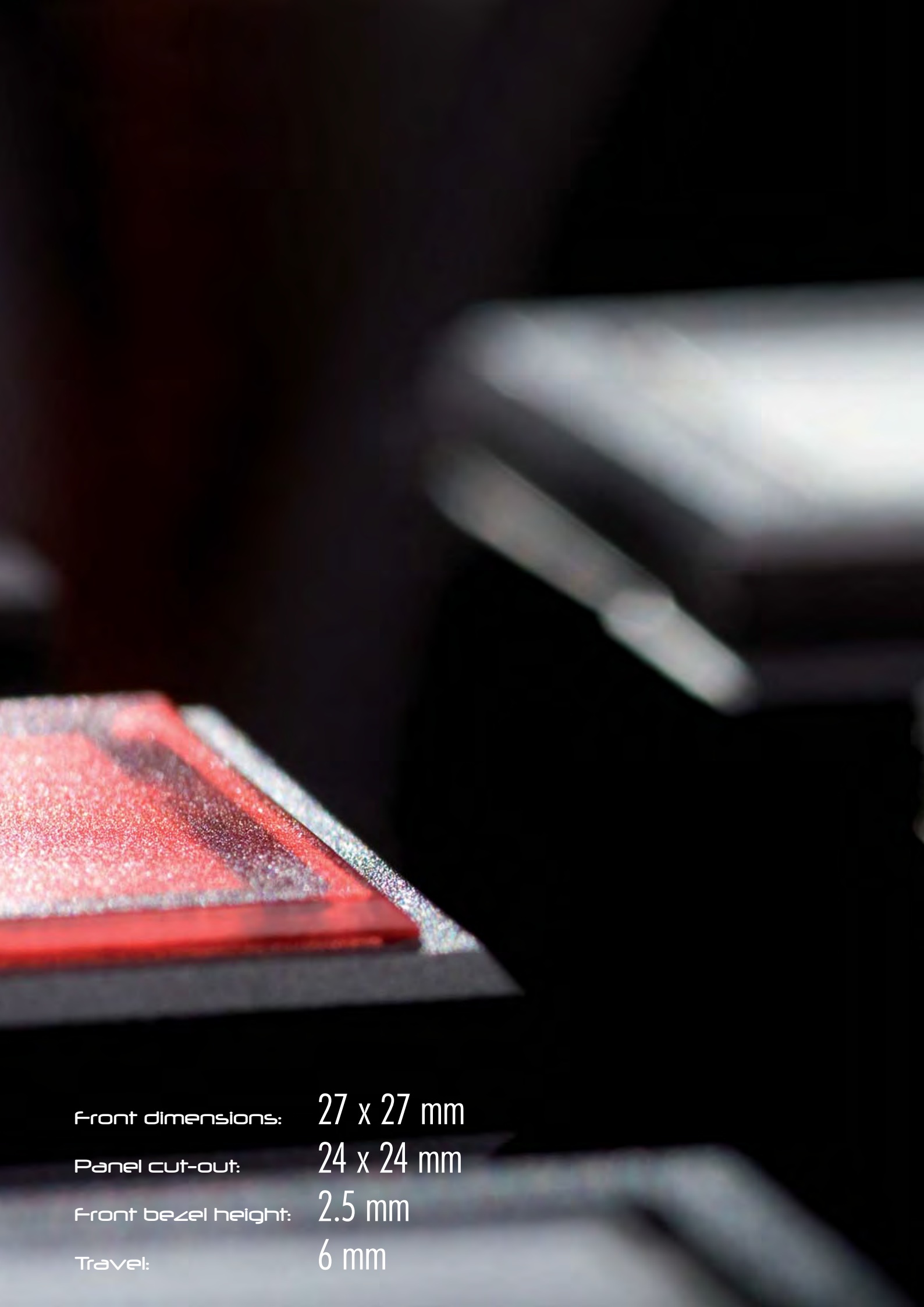




Front dimensions: 27 x 27 mm
Panel cut-out: 24 x 24 mm
Front bezel height: 2.5 mm
Travel: 6 mm



QUARTRON-JUWEL



Product configurator



Overview QUARTRON-JUWEL series



01 Pushbutton Heads	page 334	07 Key Actuators	page 339
02 Emergency Stop Buttons	page 337	08 Acoustic Buzzers	page 341
03 Mushroom Heads	page 337	09 Pilot Lights	page 344
04 Knob Set for Potentiometers	page 338		
05 Selector Heads	page 338		
06 Toggle Heads	page 338		
		Contact Blocks / Lampholders	page 408

Housing Colours

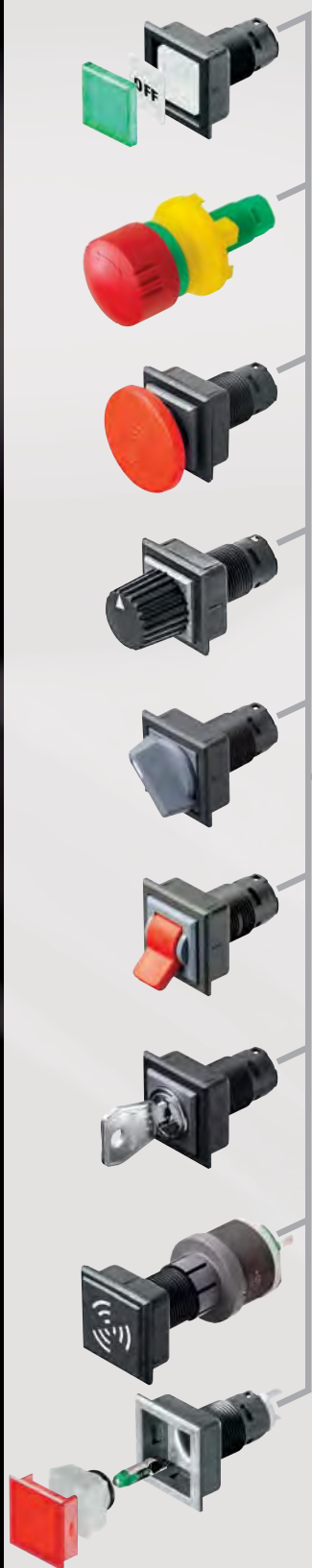


IP65 degree of protection

6 mm operating travel

 illuminating option

 labelling option



- 

A
AZ
AT.../AF.../AZ...
Contact Blocks
Faston terminals
page 410
- 

CT
CT...
Contact Blocks
Faston terminals
page 490
- 

CTP
CTP...
Contact Blocks
PCB-mount terminals
page 468
- 

CTF
CTF...
Contact Blocks
Faston terminals
page 474
- 

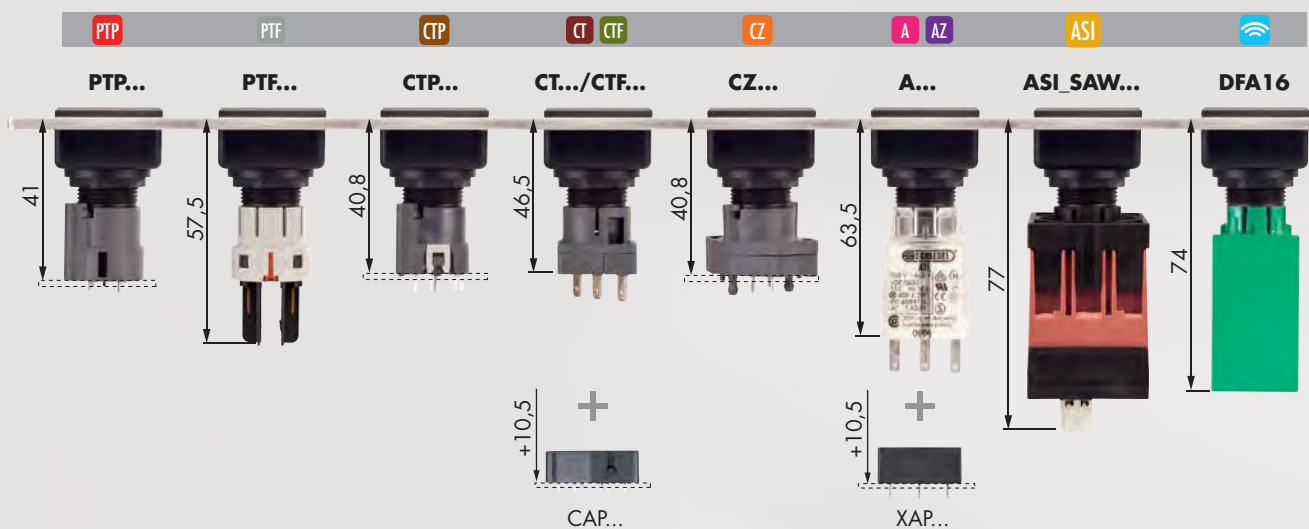
PTP
PTP...
Contact Blocks
PCB-mount terminals
page 496
- 

PTF
PTF...
Contact Blocks
Faston terminals
page 500
- 

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

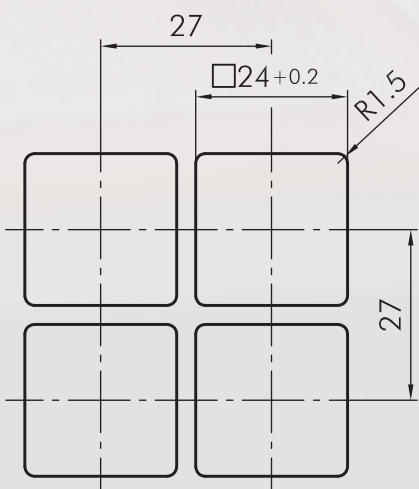

DFA...
Battery-free Wireless
Transmitter Modules
page 546

Mounting Depth Dimensions

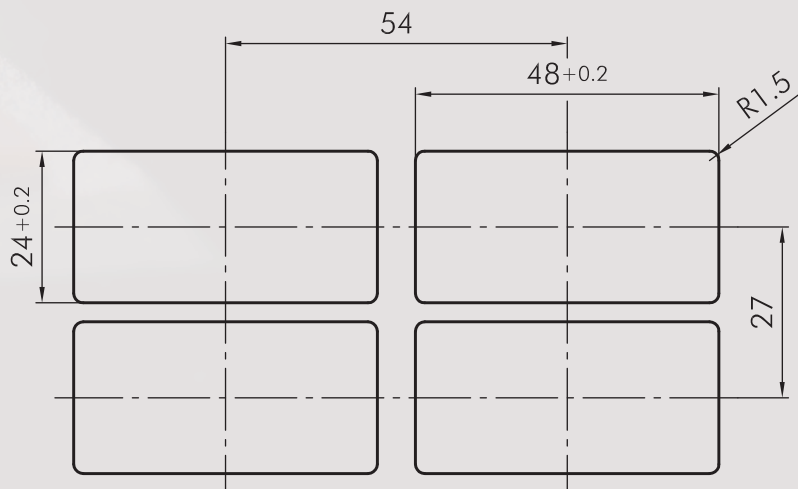


Cutout Dimensions

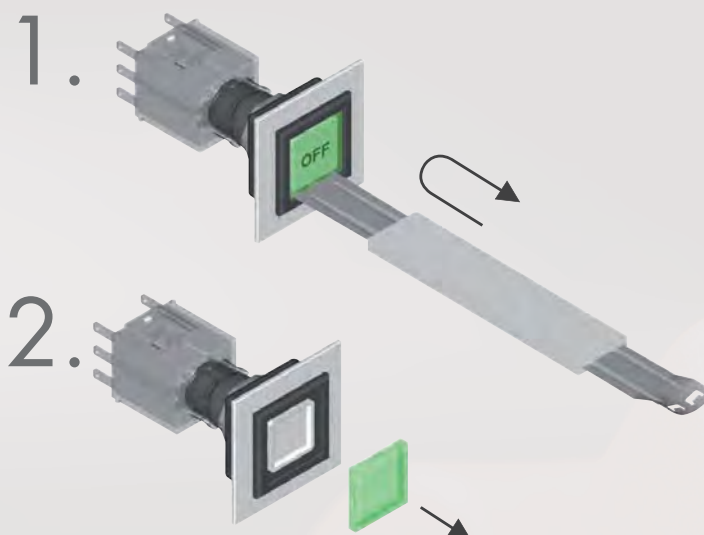
QXJ...



LXJ...



Mounting and Service Instructions



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Enclosures

Terminal Blocks

Pedal Switches

Limit Switches

Type Index

QUARTRON-JUWEL

24 x 24 mm

made in germany



Pushbutton Heads

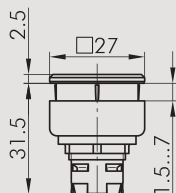
Lenses and nameplates to be ordered separately

Illustration

Dimensions

Description

Type



Pushbutton Head

suitable contact blocks

A AZ CT CTF CTP CZ

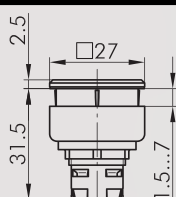
front bezel

black

charcoal

QXJT

QXJTDG



Pushbutton Head

Two prisms reflect the light from the center to a „window“ at the edge of the lens.

suitable contact blocks

A AZ CT CTF CTP CZ

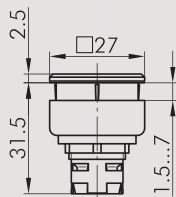
front bezel

black

charcoal

QXJTLL

QXJTLLDG



Short-stroke Pushbutton Head

suitable contact blocks

AS1 AZ B BF BZ BZ B439 CT CTF CTP CZ

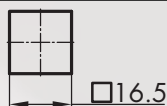
front bezel

black

charcoal

QXJD

QXJDDG



Nameplate with standard imprint

Please specify index number (see nameplates on pages 404)

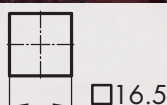
BSQX...



Nameplate with special imprint

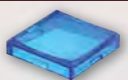
according to customer's specification

BSQXB



Blank Nameplate

BSQXU



Concave Lens, transparent

colour

blue

yellow

green

clear

red

opalwhite

T25DBL

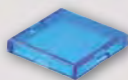
T25DGB

T25DGN

T25DKL

T25DRT

T25DWS



Flat Lens, transparent

colour

blue

yellow

green

clear

red

opalwhite

T25FBL

T25FGB

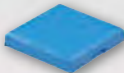
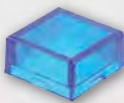
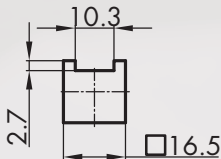
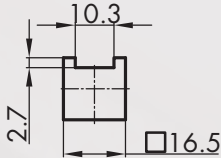
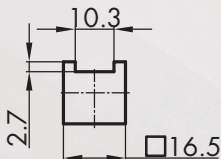
T25FGN

T25FKL

T25FRT

T25FWS

Accessories for Actuators

Illustration	Dimensions	Description	Type
		Flat Lens, non-transparent colour blue  yellow  green  colour black  red  white 	T25FGBL T25FGGB T25FGGN T25FGSW T25FGRT T25FGWS
		High Lens, transparent colour blue  yellow  green  clear  red  opalwhite 	T25HBL T25HGB T25HGN T25HKL T25HRT T25HWS
		Nameplate with standard imprint Please specify index number (see nameplates on pages 404)	BSQXLL...
		Nameplate with special imprint according to customer's specification	BSQXLLB
		Blank Nameplate	BSQXLLU
		Dichtungskappe aus PVC, von -5°C bis +60°C	TK27P
		Sealing Cap made of silicone rubber, -50°C to +60°C	TK27S

QUARTRON-JUWEL

24 x 24 mm

made in germany



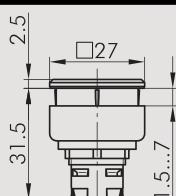
Pushbutton Heads

Illustration

Dimensions

Description

Type



Short-stroke Membrane Pushbutton Head

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

suitable contact blocks



front bezel	black	
front bezel	charcoal	

QXJDM...

QXJDMDG...

Emergency Stops Mushroom Heads

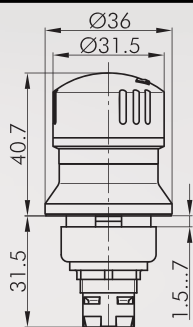
Illustration

Dimensions

Description

Type

IP65



Emergency-stop Head

foolproof Yes
switching position indicator Yes
anti-lock collar No
release twist right or left
Standard EN 60947-5-1, EN 60947-5-5,
EN ISO 13850



suitable contact blocks

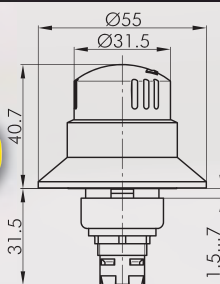
ASI A AZ PTP PTF

mushroom head red
front bezel yellow



QXJUV

IP65



Emergency-stop Head

foolproof Yes
switching position indicator Yes
anti-lock collar Yes
release twist right or left
Standard EN 60947-5-1, EN 60947-5-5,
EN ISO 13850



suitable contact blocks

ASI A AZ PTP PTF

mushroom head red
front bezel yellow



QXJBUV

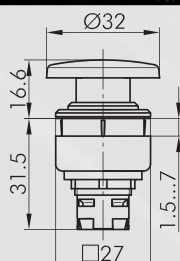


For further emergency stops, please refer to the chapter "Emergency-stop Heads" starting on page 366

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

IP65

6 mm



Mushroom Head, momentary

other mushroom colours on request
switching position indicator No
anti-lock collar No

suitable contact blocks

A AZ CT CTF CTP CZ

mushroom head red
front bezel black
charcoal



**QXJS
QXJSDG**

QUARTRON-JUWEL

24 x 24 mm

made in germany

SCHLEGEL
ELEKTROKONTAKT

Knob Set for potentiometers
Selector Switches (momentary/maintained)
Toggle Heads

I = Switching position
> = Spring return

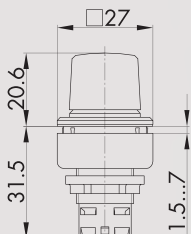
Illustration

Dimensions

Description

Type

IP65



Knob Set for potentiometers

for potentiometers of 6 mm shaft dia. and thread M10x0.75.
Delivery without potentiometer.

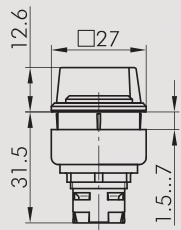
Shaft length: approx. 50 mm ± 4 mm

knob colour black
front bezel black
 charcoal



QXJR
QXJRDG

IP65



Selector Head, maintained

suitable contact blocks

A AZ CT CTF CTP CZ

front bezel black

suitable contact blocks

A AZ

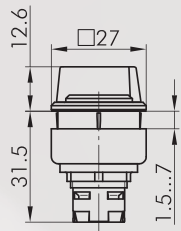
front bezel black



QXJWA

QXJWB

IP65



Selector Head, momentary

suitable contact blocks

A AZ CT CTF CTP CZ

front bezel black

suitable contact blocks

A AZ

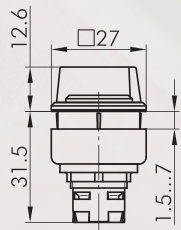
front bezel black



QXJSTA

QXJSTB

IP65



Selector head, left maintained, right momentary

suitable contact blocks

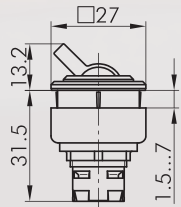
A AZ

front bezel black



QXJWC

IP65



Toggle Head

red toggle (other colours on request)

suitable contact blocks

A AZ CT CTF CTP CZ

knob colour red
front bezel black

 charcoal



QXJK
QXJKDG

Key Switches (momentary/maintained)

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

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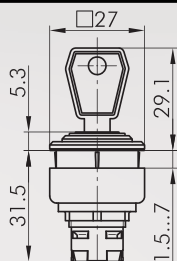
Illustration

Dimensions

Description

Type

IP65



Key Actuator, maintained

including two keys
other lock types on request

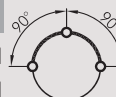
suitable contact blocks

A AZ

front bezel

black

charcoal



QXJSSA12E

QXJSSDGA12E

suitable contact blocks

A AZ

front bezel

black

charcoal



QXJSSA13E

QXJSSDGA13E

suitable contact blocks

A AZ CT CTF CTP CZ

front bezel

black

charcoal



QXJSSA14E

QXJSSDGA14E

suitable contact blocks

A AZ CT CTF CTP CZ

front bezel

black

charcoal



QXJSSA15E

QXJSSDGA15E

suitable contact blocks

A AZ CT CTF CTP CZ

front bezel

black

charcoal



QXJSSA17E

QXJSSDGA17E

suitable contact blocks

A AZ CT CTF CTP CZ

front bezel

black

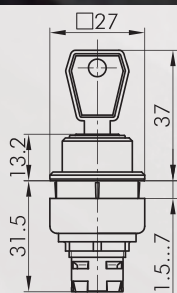
charcoal



QXJSSA18E

QXJSSDGA18E

IP65



Key Actuator, momentary

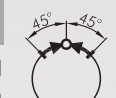
suitable contact blocks

A AZ

front bezel

black

charcoal



QXJSSA23E

QXJSSDGA23E

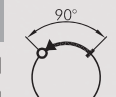
suitable contact blocks

A AZ CT CTF CTP CZ

front bezel

black

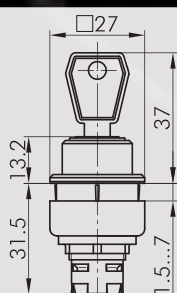
charcoal



QXJSSA27E

QXJSSDGA27E

IP65



Key Actuator, left maintained, right momentary

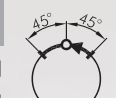
suitable contact blocks

A AZ

front bezel

black

charcoal



QXJSSA24E

QXJSSDGA24E

suitable contact blocks

A AZ

front bezel

black

charcoal



QXJSSA25E

QXJSSDGA25E

QUARTRON-JUWEL

24 x 24 mm

made in germany



Accessories for Actuators

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

Illustration

Dimensions

Description

Type

IP65



Key Actuator with protection cap, maintained

suitable contact blocks

A AZ

front bezel black

suitable contact blocks

A AZ

front bezel black

suitable contact blocks

A AZ CT CTF CTP CZ

front bezel black

suitable contact blocks

A AZ CT CTF CTP CZ

front bezel black

suitable contact blocks

A AZ CT CTF CTP CZ

front bezel black

suitable contact blocks

A AZ CT CTF CTP CZ

front bezel black



QXJSSKA12E

QXJSSKA13E

QXJSSKA14E

QXJSSKA15E

QXJSSKA17E

QXJSSKA18E

IP65



Key Actuator with protection cap, momentary

suitable contact blocks

A AZ

front bezel black

suitable contact blocks

A AZ CT CTF CTP CZ

front bezel black



QXJSSKA23E

QXJSSKA27E

IP65



Key Actuator with protection cap, left maintain, right momentary

suitable contact blocks

A AZ

front bezel black

suitable contact blocks

A AZ

front bezel black



QXJSSKA24E

QXJSSKA25E

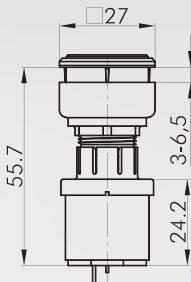
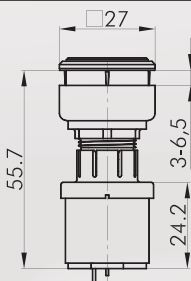
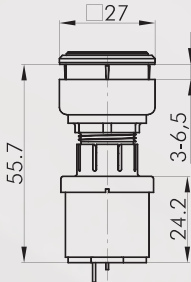
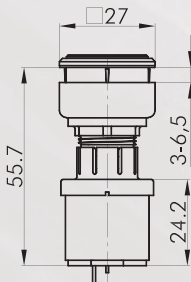


Spare Key (standard)

standard spare key, specify key number for special locks

ESE845

Buzzers

Illustration	Dimensions	Description	Type
		Buzzer operating voltage: 12 ... 24V AC/DC operating current: max. 30mA signal frequency: 3.5 +/- 0.5 Hz volume: max. 90 db (10cm, 24V) max. 80 db (10cm, 12V) operating temperature: -20°C ... 60°C front bezel: black	QXJNSG+ SG-24V
		Interval Buzzer operating voltage: 12 ... 24V AC/DC operating current: max. 30mA signal frequency: 3.5 +/- 0.5 Hz volume: max. 90 db (10cm, 24V) max. 80 db (10cm, 12V) interval: 1 s operating temperature: -20°C ... 60°C front bezel: black	QXJNSG+ SGI-24V
		Illuminated Buzzer operating voltage: 12 ... 24V AC/DC operating current: max. 30mA signal frequency: 3.5 +/- 0.5 Hz volume: max. 90 db (10cm, 24V) max. 80 db (10cm, 12V) operating temperature: -20°C ... 60°C front bezel: black	QXJNSGL+ SGLR-24V
		Illuminated Interval Buzzer operating voltage: 12 ... 24V AC/DC operating current: max. 30mA signal frequency: 3.5 +/- 0.5 Hz volume: max. 90 db (10cm, 24V) max. 80 db (10cm, 12V) interval: 1 s operating temperature: -20°C ... 60°C front bezel: black	QXJNSGL+ SGILR-24V
		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

QUARTRON-JUWEL

24 x 48 mm

made in germany



Panel Mount Jacks

Illustration

Dimensions

Description

Type



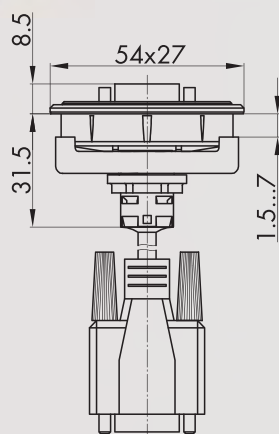
VGA Jack

front:
VGA jack

rear:
VGA cable (length 100 cm) with plug

other lengths on request
front bezel black

LXJ_
VGA_100CM



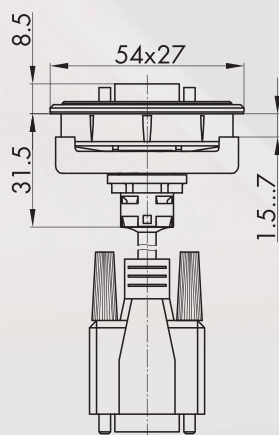
RS232 Jack

front:
RS232 jack

rear:
RS232 cable (length 100 cm) with plug

other lengths on request
front bezel black

LXJ_
RS232_100CM



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Panel Mount Jacks

Illustration

Dimensions

Description

Type



**For panel mount jacks,
please refer to page 552**

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QUARTRON-JUWEL

24 x 24 mm

made in germany



Pilot Lights

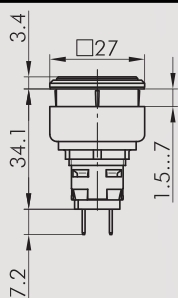
Lenses and nameplates to be ordered separately

Illustration

Dimensions

Description

Type



Pilot Light with Faston Terminals 2.8x0.8 mm

T5.5K socket

front bezel

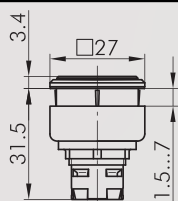
black

charcoal



QXJL5

QXJL5DG



Pilot Light Head

suitable lampholders

A CT CTF CTP CZ

front bezel

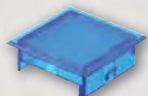
black

charcoal



QXJN

QXJNDG



Flat Lens, depolished

colour

blue

yellow

green

red

opalwhite



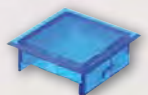
KF25BL

KF25GB

KF25GN

KF25RT

KF25WS



Flat Lens, transparent

colour

blue

yellow

green

clear

red



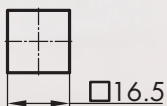
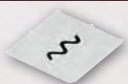
KF25KSBL

KF25KSGB

KF25KSGN

KF25KSKL

KF25KSRT



Nameplate with standard imprint

Please specify index number (see nameplates on pages 404)

BSQX...



Nameplate with special imprint

according to customer's specification

BSQXB



Blank Nameplate

BSQXU

Seven-segment Displays

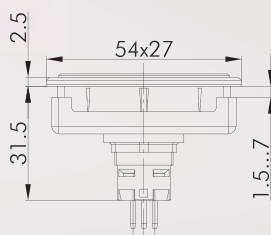
Illustration

Dimensions

Description

Type

IP65



4-Digit 7-Segment Display with serial interface

Operating temperature : -30 bis +70°C
 Operating voltage: 24V DC (18-28V)
 Current consumption: 70mA at 24V
 Inputs (Enable, Clock, Data): 24V PLC level
 Clock pulse rate: 0...10kHz
 Data telegram: 20 bit, serial
 Available character set: 0...9, A, I, II, U, -, blank
 Connection: via integrated 6-pole diode plug acc. to DIN 45322

Option: parallel control (8 bit) via additional module

front bezel

black

LXJLASCE-SPS



DIN Female Connector

serves to connect the 7-segment displays in compliance with DIN 45322

MAK6

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Illustration

Dimensions

Description

Type



Hexagonal Mounting Tool

S16

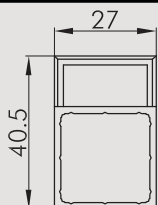
with torque limitation,
for the series OKTRON, OKTRON-JUWEL, OKTRON-R,
RONTRON-R-JUWEL, RONTRON-Q-JUWEL, QUARTRON,
QUARTRON-JUWEL, RX-JUWEL



Mounting Tool Adapter with 1/4" connections

SRA

for mounting tools S16 and S22



External Nameplate Holder

QXJABT

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

Self-adhesive Nameplate laser-printed

BZ16L

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



Self-adhesive Nameplate blank

BZ16U

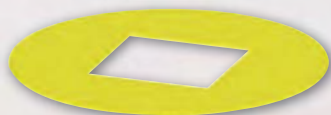
Dimensions: 22 x 11 mm



Self-adhesive Nameplate with standard imprint

BZ16B...

Please specify index no. (see nameplates on page 404)
Dimensions: 22 x 11 mm



Yellow Nameplate

NAS_24

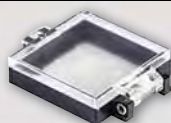
self-adhesive PVC foil
printing on request
outer dia. 60 mm
for mounting aperture 24 x 24 mm
colour yellow



Yellow Nameplate with quadrilingual imprint

NAS_24_548

self-adhesive PVC foil
outer dia. 60 mm
for mounting aperture 24 x 24 mm
colour yellow



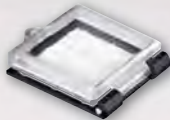
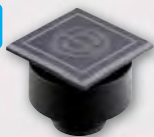
Lead-sealable Protective Lid

KDP24

fits on the pushbuttons of the QUARTRON-JUWEL series

Attention: mounting grid 30 x 30mm

Accessories for Actuators

Illustration	Dimensions	Description	Type
		Lead-sealable Protective Lid fits onto the pushbuttons of the QUARTRON-JUWEL series	KDQ24
		Universal Lens Remover	USK
		Dummy to close unused mounting apertures colour black	QX24

IP65

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