



Front dimensions: 25 x 25 mm
Panel cut-out: Ø 16.2 mm
Front bezel height: 12 mm
Travel: 6 mm



QUARTRON



Product configurator



Overview QUARTRON series



01	Pushbutton Heads	page 60
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06	Toggle Heads	page 64

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09	Pilot Lights	page 68

Contact Blocks / Lampholders

page 408

Housing Colours

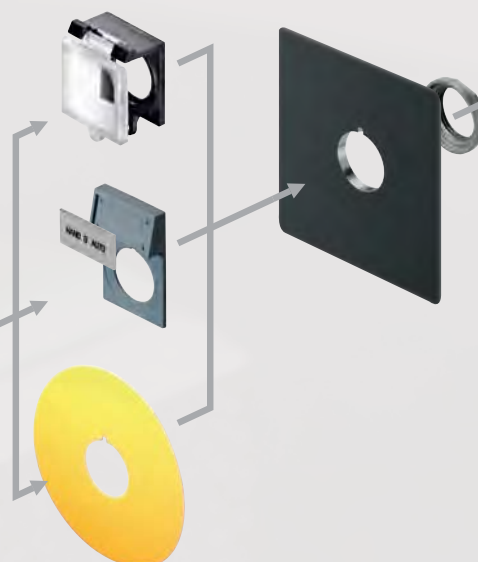
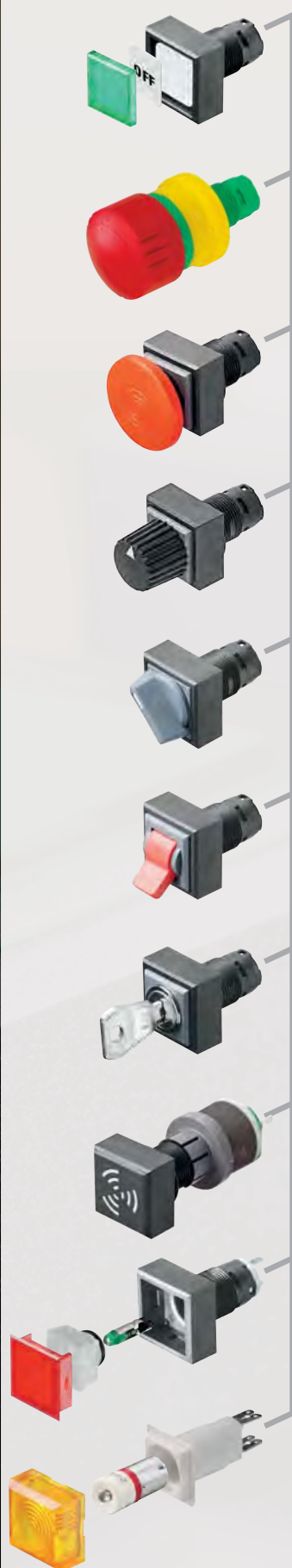


IP65 degree of protection

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
- 

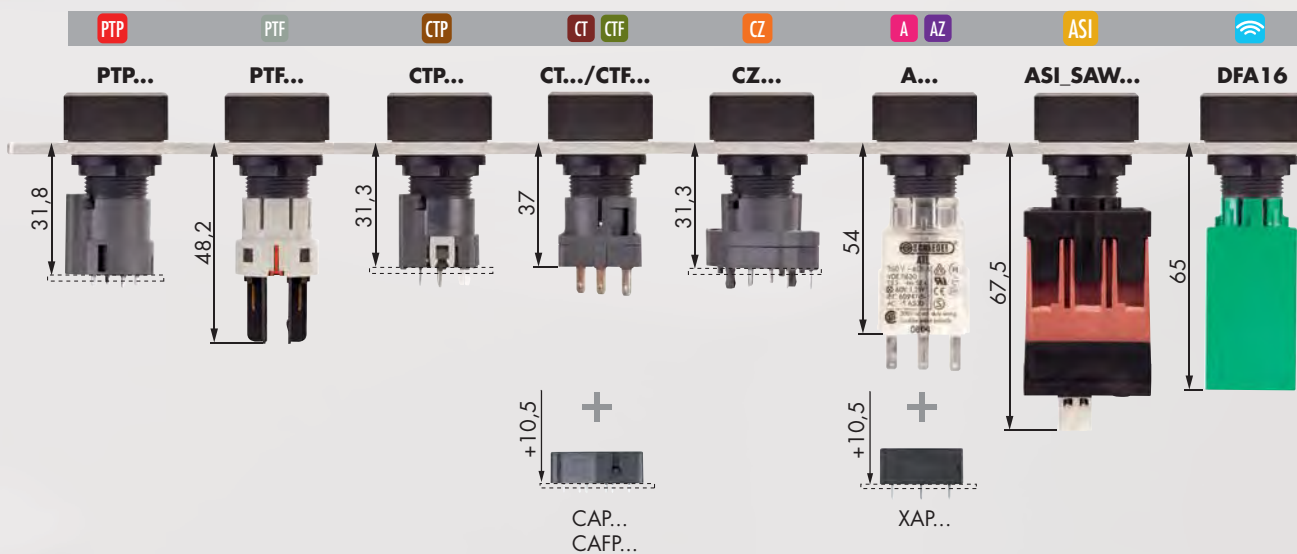
PTP
PTP...
Contact Blocks
PCB-mount terminals
page 496
- 

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

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

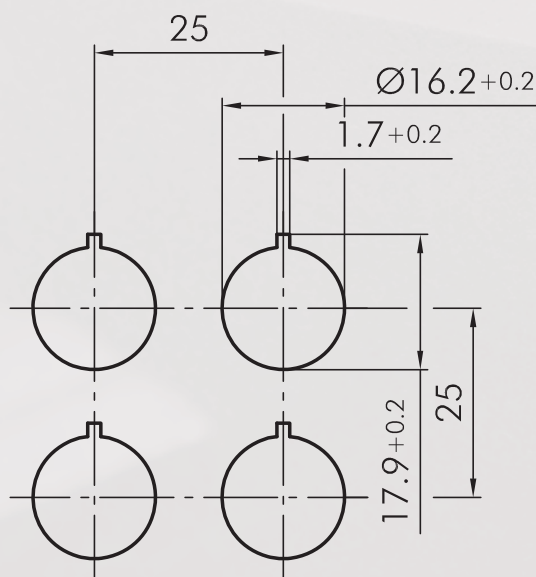
 DFA...
Battery-free Wireless
Transmitter Modules
page 546

Mounting Depth Dimensions

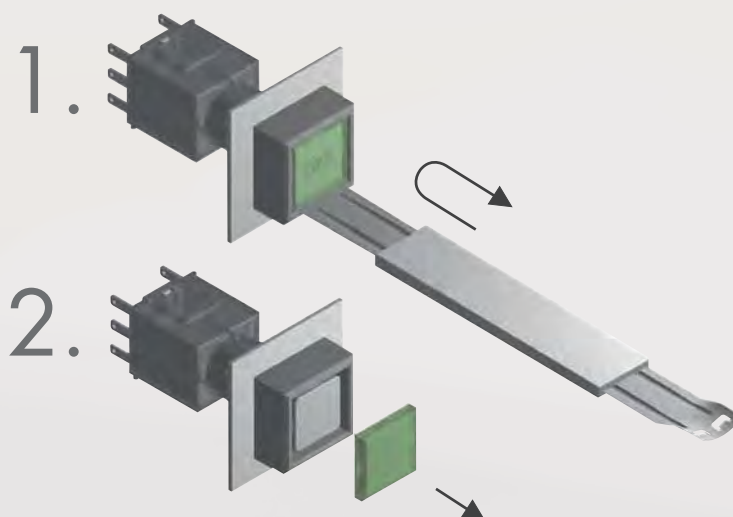


Cutout Dimensions

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



Mounting and Service Instructions



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Pedal Switches

Limit Switches

Type Index

Pushbutton Heads

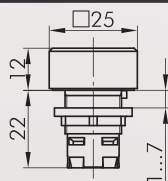
*) 24 x 24 mm on request,
lenses and nameplates to be ordered separately

Illustration

Dimensions

Description

Type



Pushbutton Head*

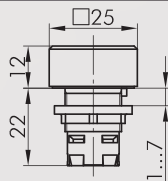
suitable contact blocks

BUS A AZ CT CTF CTP CZ

front bezel

black

QXT



Pushbutton Head*

with transparent silicone cap

suitable contact blocks

BUS A AZ CT CTF CTP CZ

front bezel

black

QXP

charcoal

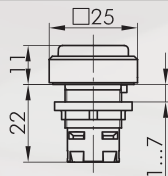
QXTDG



Sealing Cap

made of silicone rubber, down to -50°C

TK255



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.

suitable contact blocks

BUS ASI AZ B BF BZ B439 CT CTF CTP CZ

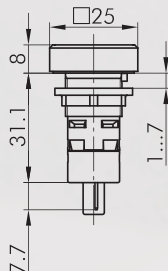
front bezel

black

QXDM...

charcoal

QXDMDG...



Short-stroke Pushbutton 1 NO

with 2 Faston terminals 2.8x0.8 mm,

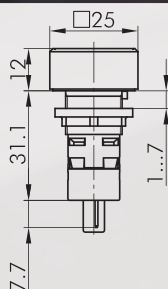
250 V, 6(4) A, AC



front bezel

black

QXDI



Pushbutton 1 NC

with 2 Faston terminals 2.8x0.8 mm, 250 V, 6(4) A, AC,

(plug sockets for PCB's, type YAP...)

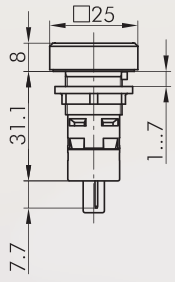
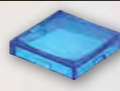
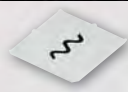
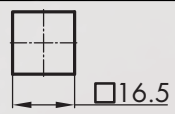


front bezel

black

QXTO

Pushbutton Heads

Illustration	Dimensions	Description	Type
		Short-stroke Pushbutton 1 NC with 2 Faston terminals 2.8x0.8 mm, 250 V, 6(4) A, AC  front bezel black 	QXDO
		Concave Lens, transparent colour blue  T25DBL yellow  T25DGB green  T25DGN clear  T25DKL red  T25DRT opalwhite  T25DWS	
		Flat Lens, transparent colour blue  T25FBL yellow  T25FGB green  T25FGN clear  T25FKL red  T25FRT opalwhite  T25FWS	
		Flat Lens, non-transparent colour blue  T25FGBL yellow  T25FGGB green  T25FGGN colour black  T25FGSW red  T25FGRT white  T25FGWS	
		High Lens, transparent colour blue  T25HBL yellow  T25HGB green  T25HGN clear  T25HKL red  T25HRT	
		Nameplate with standard imprint Please specify index number (see nameplates on pages 404)	BSQX...

Emergency Stops

Mushroom Heads

*) 24 x 24 mm auf Anfrage

Illustration

Dimensions

Description

Type



Nameplate with special imprint

according to customer's specification

BSQXB



Blank Nameplate

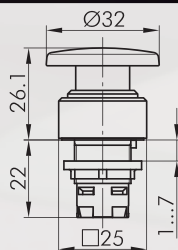
BSQXU



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

BUS A AZ CT CTF CTP CZ

front bezel black

charcoal

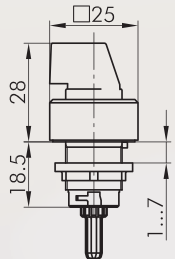
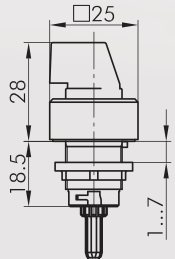
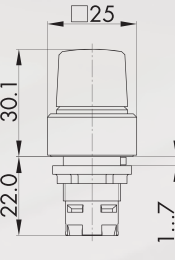
QXS

QXSDG

Knob Set for rotary switches

Knob Set for potentiometers

*) 24 x 24 mm on request

Illustration	Dimensions	Description	Type
IP65 		Knob Set for rotary switches, without inscription* different versions on request front bezel black  charcoal 	QXDAU QXDAUDG
IP65 		Knob Set for rotary switches, with inscription* 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

Selector Switches (momentary/maintained)

*) 24 x 24 mm on request

Toggle Heads

I = Switching position

> = Spring return

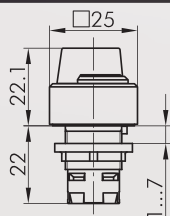
Illustration

Dimensions

Description

Type

IP65



Selector Head*, maintained

suitable contact blocks

A AZ CT CTF CTP CZ

front bezel black charcoal

suitable contact blocks

A AZ

front bezel black charcoal

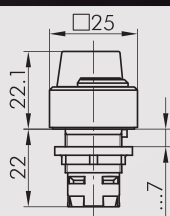


QXWA
QXWADG



QXWB
QXWBDG

IP65



Selector Head, momentary*

suitable contact blocks

A AZ CT CTF CTP CZ

front bezel black charcoal

suitable contact blocks

A AZ

front bezel black charcoal

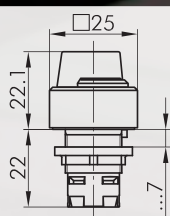


QXSTA
QXSTADG



QXSTB
QXSTBDG

IP65



Selector Head*, left maintained, right momentary

suitable contact blocks

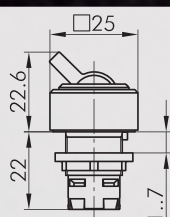
A AZ

front bezel black charcoal



QXWC
QXWCDG

IP65



Toggle Head

other toggle colours on request

suitable contact blocks

BUS A AZ CT CTF CTP CZ

front bezel black charcoal

QXK
QXKDG

Key Switches (momentary/maintained)

*) 24 x 24 mm on request

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

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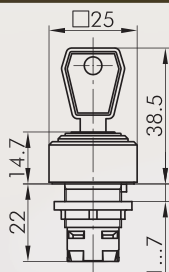
Illustration

Dimensions

Description

Type

IP65



Key Actuator*

including two keys
other lock types on request

suitable contact blocks

A AZ

front bezel

black

charcoal



QXSSA12E

QXSSDGA12E

suitable contact blocks

A AZ

front bezel

black

charcoal



QXSSA13E

QXSSDGA13E

suitable contact blocks

A AZ CT CTF CTP CZ

front bezel

black

charcoal



QXSSA14E

QXSSDGA14E

suitable contact blocks

A AZ CT CTF CTP CZ

front bezel

black

charcoal



QXSSA15E

QXSSDGA15E

suitable contact blocks

A AZ CT CTF CTP CZ

front bezel

black

charcoal



QXSSA17E

QXSSDGA17E

suitable contact blocks

A AZ CT CTF CTP CZ

front bezel

black

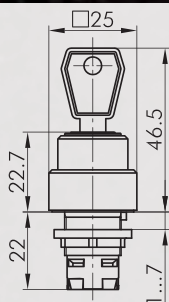
charcoal



QXSSA18E

QXSSDGA18E

IP65



Key Actuator, momentary*

suitable contact blocks

A AZ

front bezel

black

charcoal



QXSSA23E

QXSSDGA23E

suitable contact blocks

A AZ CT CTF CTP CZ

front bezel

black

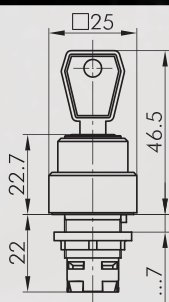
charcoal



QXSSA27E

QXSSDGA27E

IP65



Key Actuator, left maintained, right momentary*

suitable contact blocks

A AZ

front bezel

black

charcoal



QXSSA24E

QXSSDGA24E

suitable contact blocks

A AZ

front bezel

black

charcoal



QXSSA25E

QXSSDGA25E

Key Switches (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, maintained*

including two keys,
other lock types on request

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



QXSSKA12E



QXSSKA13E



QXSSKA14E



QXSSKA15E



QXSSKA17E



QXSSKA18E

IP65



Key Actuator with protection cap, momentary*

including two keys,
other lock types on request

suitable contact blocks

A AZ

front bezel black

suitable contact blocks

A AZ CT CTF CTP CZ

front bezel black



QXSSKA23E



QXSSKA27E

IP65



Key Actuator with protection cap, left maintained, right momentary*

including two keys,
other lock types on request

suitable contact blocks

A AZ

front bezel black

suitable contact blocks

A AZ

front bezel black



QXSSKA24E



QXSSKA25E

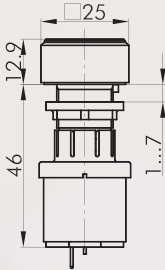
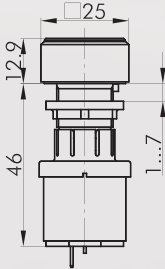
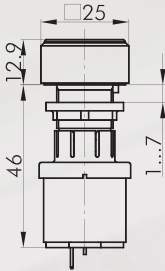
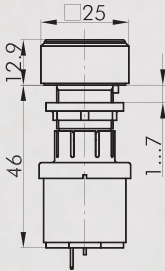


Spare Key (standard)

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. 85 db (10cm, 24V) max. 80 db (10cm, 12V) operating temperature: -20°C ... 60°C front bezel: black	QXNSG+SG-24V
		Interval Buzzer operating voltage: 12 ... 24V AC/DC operating current: max. 30mA signal frequency: 3.5 +/- 0.5 Hz volume: max. 85 db (10cm, 24V) max. 80 db (10cm, 12V) interval: 1 s operating temperature: -20°C ... 60°C front bezel: black	QXNSG+SGI-24V
		Illuminated Buzzer operating voltage: 12 ... 24V AC/DC operating current: max. 30mA signal frequency: 3.5 +/- 0.5 Hz volume: max. 85 db (10cm, 24V) max. 80 db (10cm, 12V) operating temperature: -20°C ... 60°C front bezel: black	QXNSGL+SGLR-24V
		Illuminated Interval Buzzer operating voltage: 12 ... 24V AC/DC operating current: max. 30mA signal frequency: 3.5 +/- 0.5 Hz volume: max. 85 db (10cm, 24V) max. 80 db (10cm, 12V) interval: 1 s operating temperature: -20°C ... 60°C front bezel: black	QXNSGL+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

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Pilot Lights

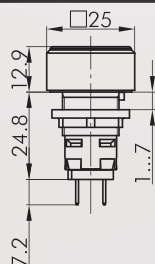
*) 24 x 24 mm on request,
lenses and nameplates to be ordered separately

Illustration

Dimensions

Description

Type



Pilot Light with Faston terminals 2.8x0.8 mm*

front bezel

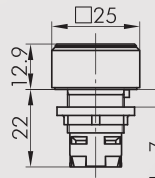
black

charcoal



QXL5

QXL5DG



Pilot Light Head*

suitable lampholders

A CT CTF CTP CZ

front bezel

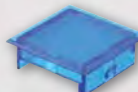
black

charcoal



QXN

QXNDG



Flat Lens, depolished

colour

blue

yellow

green

red

opalwhite



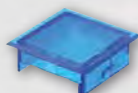
KF25BL

KF25GB

KF25GN

KF25RT

KF25WS



Flat Lens, transparent

colour

blue

yellow

green

clear

red



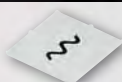
KF25KSBL

KF25KSGB

KF25KSGN

KF25KSKL

KF25KSRT



Nameplate with standard imprint

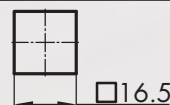
Please specify index number (see nameplates on pages 404)

BSQX...



Blank Nameplate

BSQXU



Nameplate with special imprint

according to customer's specification

BSQXB



Lampholder

L5

Pilot Lights

Lenses and nameplates to be ordered separately

Seven-segment Displays

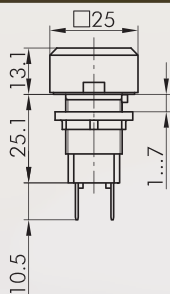
Illustration

Dimensions

Description

Type

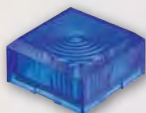
IP65



Panoramic Pilot Light with Faston terminals 6.3/2.8x0.8 mm

BA9s socket
max. 250V 2W

QXL9



Panoramic Lens

colour

blue



KH25BL

yellow



KH25GB

green



KH25GN

clear



KH25KL

red



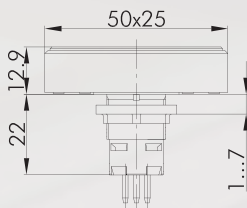
KH25RT

opalwhite



KH25WS

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



LXLASCE-SPS



DIN Female Connector

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

MAK6

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-Q-JUWEL, QUARTRON,
QUARTRON-JUWEL, RX-JUWEL



Mounting Tool Adapter with 1/4" connections

SRA

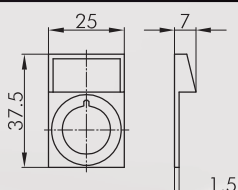
for mounting tools S16 and S22



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

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

QXABT

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

self-adhesive PVC foil
printing on request
outer dia. 60 mm
for mounting dia. 16 mm
colour yellow

NAS_16

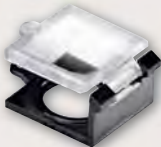
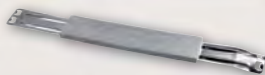


Yellow Nameplate with quadrilingual imprint

self-adhesive PVC foil
outer dia. 60 mm
for mounting dia. 16 mm
colour yellow

NAS_16_548

Accessories for Actuators

Illustration	Dimensions	Description	Type
		Lead-sealable Protective Lid fits onto the pushbuttons of the QUARTRON series	KDQ16
		Universal Lens Remover	USK
		Square Dummy to close unused mounting apertures colour black	Q16

IP65

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