


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 060	07 Key actuators	page 065
02 Emergency-stop heads	page 062	08 Buzzers	page 069
03 Mushroom heads	page 062	09 Pilot light heads / pilot lights	page 070
04 Knob set for rotary switches/potentiometers	page 063	Contact blocks/lampholders	page 414
05 Selector heads	page 064		
06 Toggle heads	page 064		

Housing colours



degree of protection



operating travel



tactile

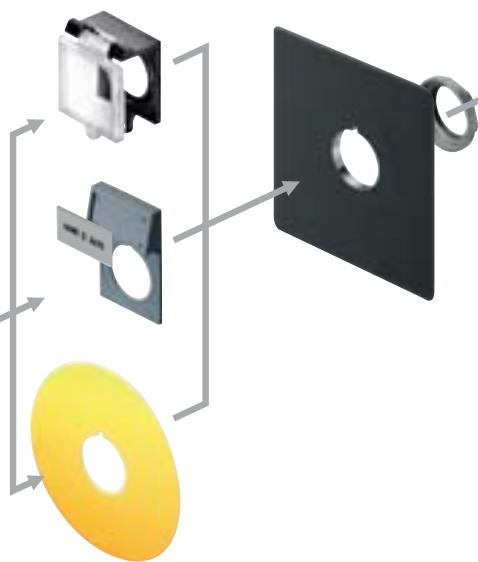
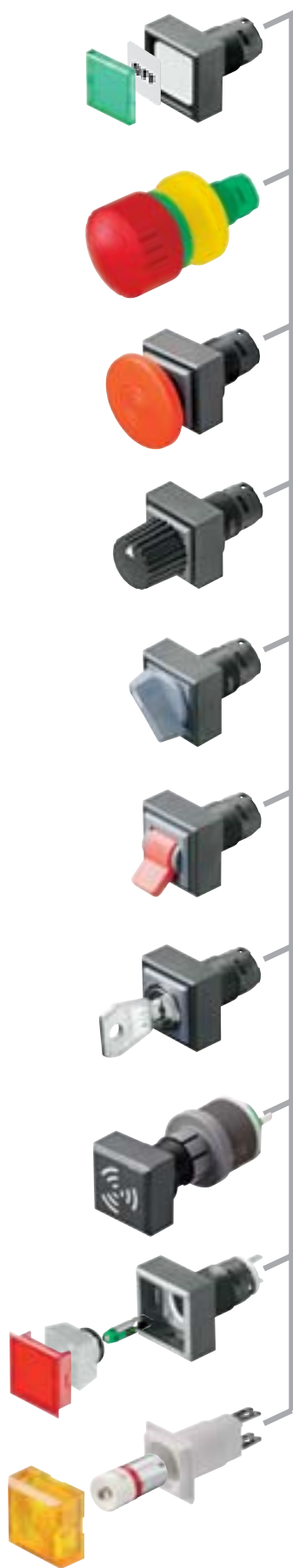



illuminating option





labelling option








- 


A
AZ
AT.../AF.../AZ...
Contact blocks
Faston terminals
page 416
- 


CT
CT...
Contact blocks
Faston terminals
page 502
- 

CTP
CTP...
Contact blocks
PCB-mount terminals
page 480
- 

CTF
CTF...
Contact blocks
Faston terminals
page 486
- 

FRTP
FRTP...
Contact blocks
PCB-mount terminals
page 508
- 

FRTF
FRTF...
Contact blocks
Faston terminals
page 514
- 

ASI
ASI...
Contact blocks
for AS-Interface
Safety @ Work
page 560
- 

DFA
DFA...
Battery-free wireless
transmitter modules
page 566

About Us

→ Pushbuttons
and Switches

Panel Mount Jacks

Emergency-Stop Buttons

Bus Technology

RFID

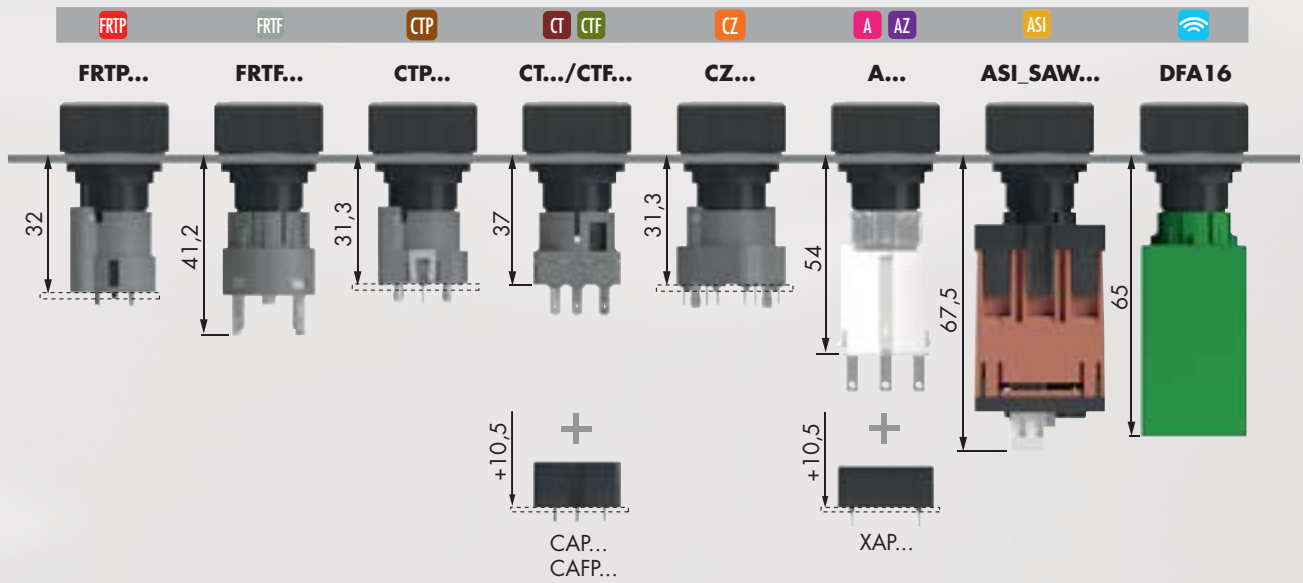
Enclosures

Pedal Switches

Terminal Blocks

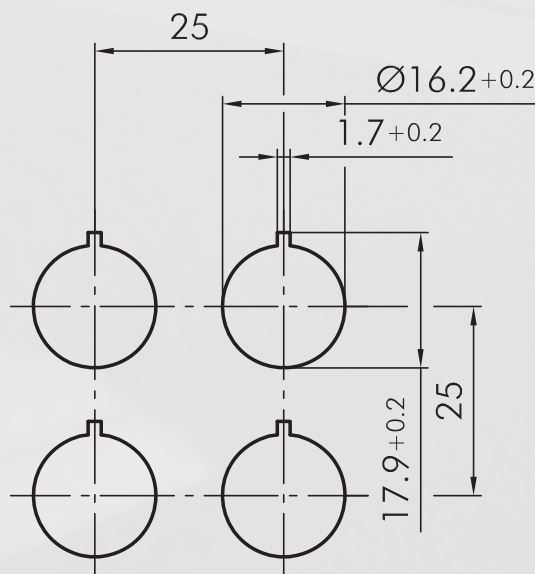
Type Index

Mounting depth dimensions

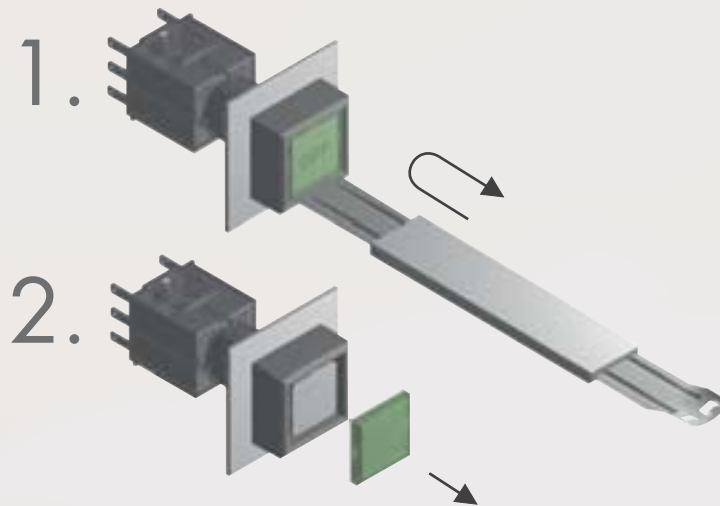


Cutout dimensions

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


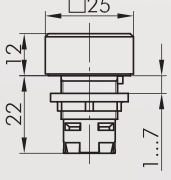




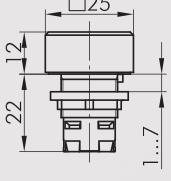


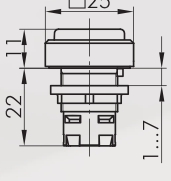



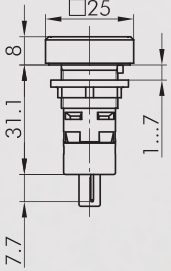





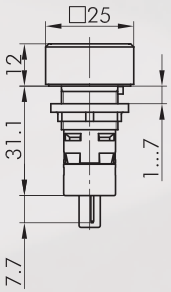






Mounting and service instructions



Pushbuttons

lenses and nameplates to be ordered separately

Illustration	Dimensions	Description	Type
 <p>IP65 6 mm Sun icon Lightning bolt icon</p>	 <p>25 12 22 1...7</p>	<p>Pushbutton head</p> <p>suitable contact blocks: BUS A AZ CT CTF CTP CZ </p> <p>front bezel: black  charcoal </p>	<p>QXT QXTDG</p>
 <p>IP67 6 mm Sun icon Lightning bolt icon</p>	 <p>25 12 22 1...7</p>	<p>Pushbutton head</p> <p>with transparent silicone cap</p> <p>suitable contact blocks: BUS A AZ CT CTF CTP CZ</p> <p>front bezel: black </p>	<p>QXP</p>
 <p>IP67 3 mm Sun icon Lightning bolt icon</p>	 <p>25 12 22 1...7</p>	<p>Short-stroke membrane pushbutton head</p> <ul style="list-style-type: none"> - 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 <p>suitable contact blocks: BUS ASI AZ B B...K BZ BZ...K B439 CT CTF CTP CZ</p> <p>front bezel: black  charcoal </p>	<p>QXDM... QXDMDG...</p>
 <p>IP65 3 mm Lightning bolt icon</p>	 <p>25 8 31.1 7.7 1...7</p>	<p>Short-stroke pushbutton 1 NO</p> <p>with 2 Faston terminals 2.8x0.8 mm, 250 V, 6(4) A, AC</p> <p>Connection type: Faston terminals 2.8x0.8 mm</p> <p>Contact material: AgNi</p> <p>  </p> <p>front bezel: black </p>	<p>QXDI</p>
 <p>IP65 6 mm Lightning bolt icon</p>	 <p>25 12 31.1 7.7 1...7</p>	<p>Pushbutton 1 NC</p> <p>with 2 Faston terminals 2.8x0.8 mm, 250 V, 6(4) A, AC</p> <p>Connection type: Faston terminals 2.8x0.8 mm</p> <p>Contact material: AgNi</p> <p>  </p> <p>front bezel: black </p>	<p>QXTO</p>

Pushbuttons

lenses and nameplates to be ordered separately

Illustration

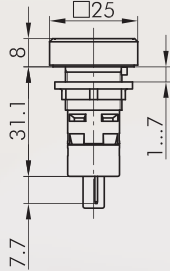
Dimensions

Description

Type

IP65

3mm



Short-stroke pushbutton 1 NC

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

Connection type:

Faston terminals 2.8x0.8 mm

Contact material:

AgNi



front bezel:

black



QXDO

Accessories

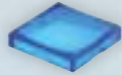
IP67



Sealing cap

made of silicone rubber, down to -50°C

TK25S

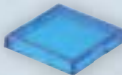


Concave lens, transparent

colour: blue
yellow
green
clear
red
opal white



T25DBL
T25DGB
T25DGN
T25DKL
T25DRT
T25DWS

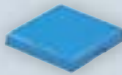


Flat lens, transparent

colour: blue
yellow
green
clear
red
opal white



T25FBL
T25FGB
T25FGN
T25FKL
T25FRT
T25FWS



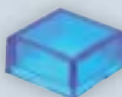
Flat lens, non-transparent

for pushbuttons without inscription and illumination

colour: blue
yellow
green
black
red
white



T25FGBL
T25FGGB
T25FGGN
T25FGSW
T25FGRT
T25FGWS









High lens, transparent

colour: blue
yellow
green
clear
red



T25HBL
T25HGB
T25HGN
T25HKL
T25HRT

Mushroom Pushbuttons

Illustration	Dimensions	Description	Type
		Nameplate with standard imprint please specify index number (see nameplates from page 634)	BSQX...
		Nameplate with special imprint according to customer's specification	BSQXB
		Blank nameplate	BSQXU

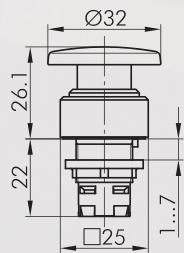


For further emergency-stops, please refer to the chapter "Emergency-Stop Head" starting on page 594

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

IP65

6 mm





Mushroom head, momentary

other mushroom colours on request
 Switching position indicator: no
 Permissive Contact: no
 Anti-lock collar: no

suitable contact blocks:



front bezel: black 
 charcoal 

QXS
QXSDG

Mushroom Pushbuttons

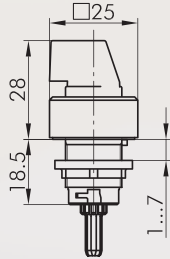
Illustration

Dimensions

Description

Type

IP65



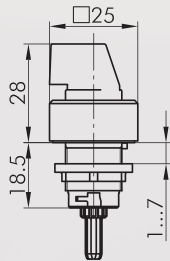
Knob set for rotary switches, without inscription
different versions on request

front bezel: black charcoal



QXDAU
QXDABDG

IP65



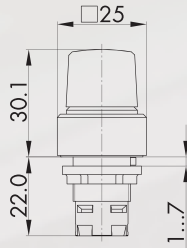
Knob set for rotary switches, with inscription
different versions on request

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


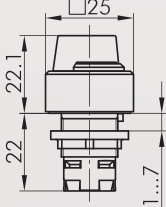



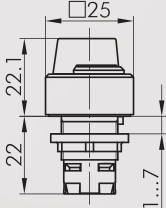



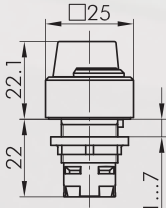


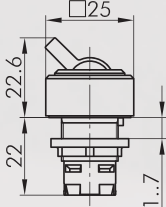


front bezel: black charcoal



QXR
QXRDC

Selector Switches (momentary/maintained)

| = Switching position
> = Spring return

Illustration	Dimensions	Description	Type
		Selector head, maintained suitable contact blocks: A AZ CT CTF CTP CZ 	 QXWA QXWADG
		front bezel: black charcoal	
		Selector head, momentary suitable contact blocks: A AZ CT CTF CTP CZ 	 QXSTA QXSTADG
		suitable contact blocks: A AZ	
		Selector head, left maintained, right momentary suitable contact blocks: A AZ	 QXSTB QXSTBDG
		front bezel: black charcoal	
		Toggle head other toggle colours on request suitable contact blocks: BUS A AZ CT CTF CTP CZ 	 QXWC QXWCDG
		front bezel: black charcoal	

Key Switches (momentary/maintained)

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

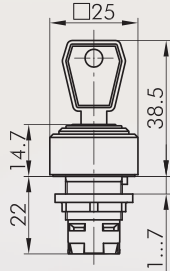
Illustration

Dimensions

Description

Type

IP65



Key actuator, maintained

including two keys
other lock types on request

suitable contact blocks:

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:

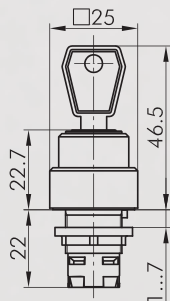
A AZ CT CTF CTP CZ

front bezel: black charcoal



QXSSA18E
QXSSDGA18E

IP65



Key actuator, momentary

including two keys
other lock types on request

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

Key Switches (momentary/maintained)

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

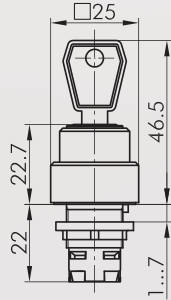
Illustration

Dimensions

Description

Type

IP65



Key actuator, left maintained, right momentary

including two keys
other lock types on request

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)

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

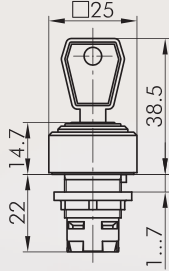
Illustration

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

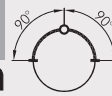


QXSSKA12E

suitable contact blocks:

A AZ

front bezel: black

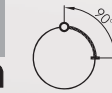


QXSSKA13E

suitable contact blocks:

A AZ CT CTF CTP CZ

front bezel: black



QXSSKA14E

suitable contact blocks:

A AZ CT CTF CTP CZ

front bezel: black



QXSSKA15E

suitable contact blocks:

A AZ CT CTF CTP CZ

front bezel: black



QXSSKA17E

suitable contact blocks:

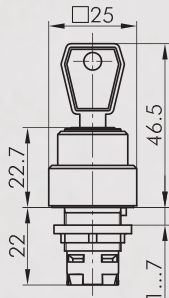
A AZ CT CTF CTP CZ

front bezel: black



QXSSKA18E

IP65



Key actuator with protection cap, maintained

including two keys
other lock types on request

suitable contact blocks:

A AZ

face avant: noir



QXSSKA23E

suitable contact blocks:

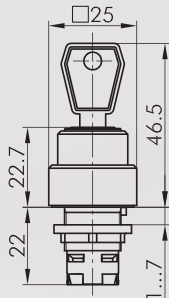
A AZ CT CTF CTP CZ

front bezel: black



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



QXSSKA24E

suitable contact blocks:

A AZ

front bezel: black



QXSSKA25E

Accessories

Illustration

Dimensions

Description

Type

Accessories



Spare key (standard)

standard spare key, specify key number for special locks

ESE845

Buzzers

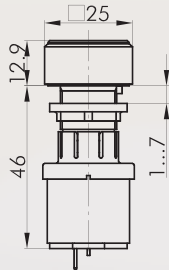
Illustration

Dimensions

Description

Type

IP65



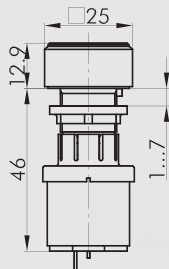
Buzzer

operating voltage: 12 ... 24V DC
operating current: 5mA (12V DC)
16mA (24V DC)
signal frequency: 3.8 +/- 0.5 kHz
volume: max. 85 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: black

QXNSG+SG-24V

IP65



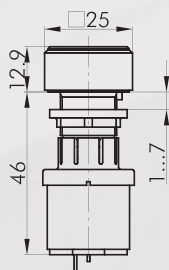
Interval buzzer

operating voltage: 12 ... 24V DC
operating current: max. 30mA
signal frequency: 3.5 +/- 0.5 kHz
volume: max. 85 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: black

QXNSG+SGL-24V

IP65



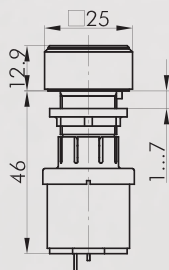
Illuminated buzzer

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
Connection type: Faston terminals 2.8x0.8 mm

front bezel: black

QXNSGL+SGLR-24V

IP65



Illuminated interval buzzer

operating voltage: 12 ... 24V DC
operating current: abt. 30mA
signal frequency: 3.5 +/- 0.5 kHz
volume: max. 85 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: black

QXNSGL+SGLR-24V

Accessories








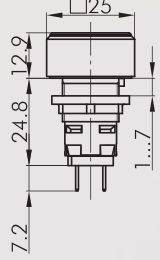




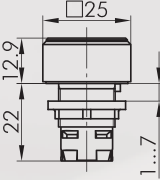



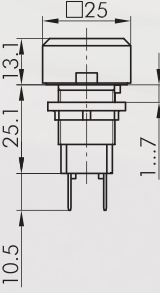


Faston clamp 2.8 x 0.8 mm with snap-in pin

FH2,8

cross section 0.75 - 1.50 mm², tin-plated brass, with pin to snapfit into the sockets XA, XAL and the insulating case IH2.8

Pilot Lights

lenses and nameplates to be ordered separately

Illustration	Dimensions	Description	Type
		Insulating case for Faston clamp FH2,8, slip on from the front	IH2,8
   		Pilot light with Faston terminals 2.8x0.8 mm Connection type: 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
  		Panoramic pilot light with Faston terminals 6.3/2.8x0.8 mm BA9s socket max. 250V 2W Connection type: Faston terminals A 6.3/2.8x0.8	QXL9
 		Lampholder Connection type: Faston terminals 2.8x0.8 mm X1 ⊗ X2	L5

Accessories

	Flat lens, depolished colour:	    	KF25BL KF25GB KF25GN KF25RT KF25WS
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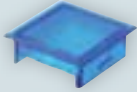
7-Segment-Displays

Illustration

Dimensions

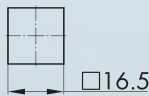
Description

Type



Flat lens, transparent

colour:	blue		KF25KSBL
	yellow		KF25KSGB
	green		KF25KSGN
	clear		KF25KSCL
	red		KF25KSRT



Nameplate with standard imprint

please specify index number (see nameplates from page 634)

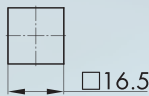
BSQX...



Nameplate with special imprint

according to customer's specification

BSQXB



Blank nameplate

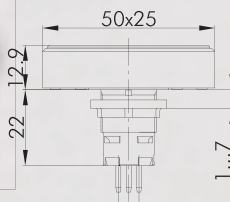
BSQXU



Panoramic lens

colour:	blue		KH25BL
	yellow		KH25GB
	green		KH25GN
	clear		KH25KL
	red		KH25RT
	opal white		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
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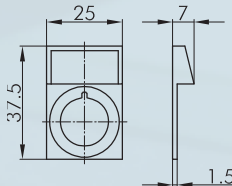







DIN female connector



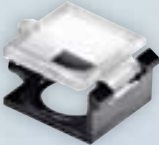



serves to connect the 7-segment displays in compliance with DIN 45322

MAK6

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
		Threaded adapter Allows true-to-size mounting of pushbuttons and switches for 16 mm mounting dia. into 22.5 mm holes. Includes also a suitable sealing.	R16X1
		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 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 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
		Lead-sealable protective lid for pushbutton of the range QUARTRON (except for QXD...)	KDQ16
		Universal lens remover	USK
		Square dummy to close unused mounting apertures colour: black 	Q16

IP65

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