

# Control and signalling units Ø 22

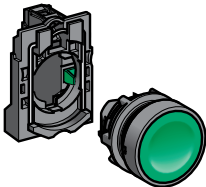
Harmony® style 5  
Pushbuttons, switches and pilot lights, with double insulated bezel

Description

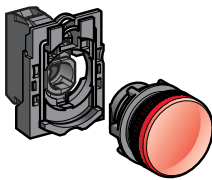
The Ø 22, style 5 range of control and signalling units comprises:

Sub-assemblies for user assembly  
ZB5-A

2

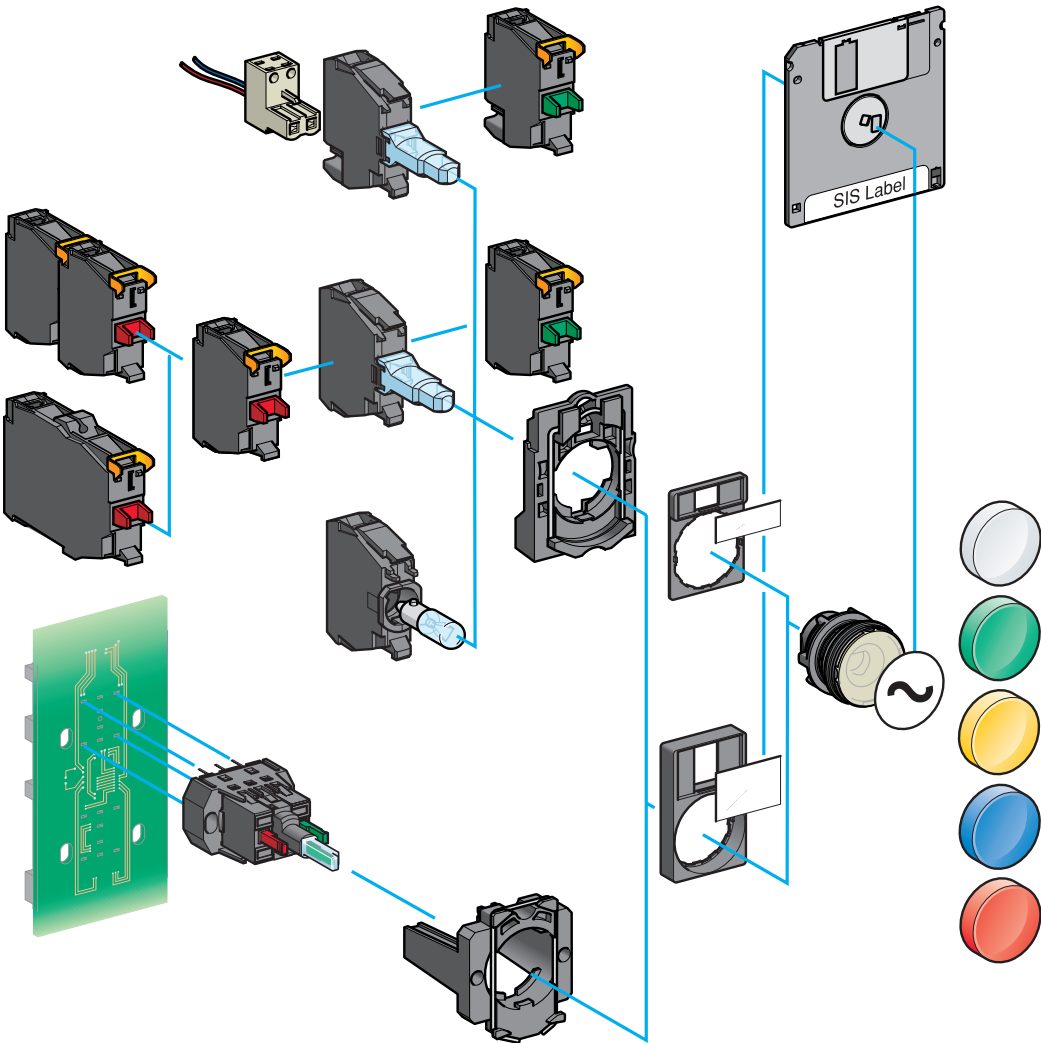


Pushbuttons and switches:  
Head and body  
sub-assemblies



Pilot lights:  
Head and body  
sub-assemblies

Component parts and accessories  
ZB

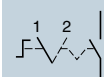
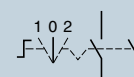
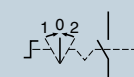
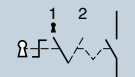
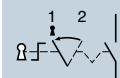


## Schematic library

## Pushbuttons and Emergency stop pushbuttons

Pushbutton  
N/O contactPushbutton  
N/C contactMushroom head,  
spring return  
N/O contactEmergency stop latching  
mushroom head. Push-pull  
N/C contactEmergency stop trigger  
action mushroom head  
Push-pull  
N/O + N/C contactEmergency stop trigger  
action mushroom head  
Turn to release - N/C contactEmergency stop trigger  
action mushroom head  
Key release - N/C contactEmergency stop trigger  
action mushroom head  
Turn to release  
N/O + N/C contactEmergency stop trigger  
action mushroom head  
Key release  
N/O + N/C contactDouble-headed pushbutton  
N/O + N/C contact

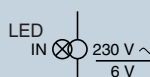
## Selector switches

Selector switch - 2 position,  
stay put  
N/O contactSelector switch - 3 position,  
stay put  
N/O + N/C contactSelector switch - 3 position,  
2 spring return to centre  
N/O + N/C contactSelector switch - 2 position,  
stay put, key withdrawal LH  
position - N/O contactSelector switch - 2 position,  
spring return from right to left,  
key withdrawal LH position  
N/O contact

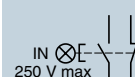
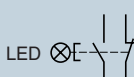
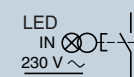
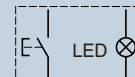
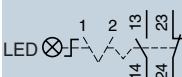
## Pilot lights

Pilot light with BA 9s  
incandescent bulb

LED pilot light

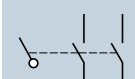
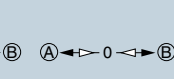
Pilot light with integral transformer, 230 V ~ primary,  
6 V secondary. BA 9s incandescent bulb or LED

## Illuminated pushbuttons and selector switches

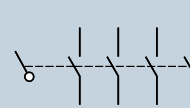
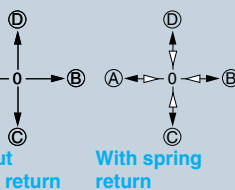
Illuminated pushbutton  
BA 9s incandescent bulb  
N/O + N/C contactIlluminated pushbutton  
with LED  
N/O + N/C contactIlluminated pushbutton  
with integral transformer,  
230 V ~ 50/60 Hz primary,  
6 V secondary.  
BA 9s incandescent bulb or LED  
N/O + N/C contactDouble-headed pushbutton  
with LED pilot light  
N/O + N/C contactIlluminated selector switch  
with LED - 2 position stay put  
N/O + N/C contact

## Joystick controllers

## 2 direction

Without  
spring returnWith  
spring return

## 4 direction

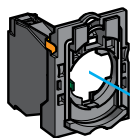
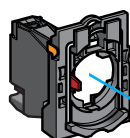
Without  
spring returnWith spring  
return

## Control and signalling units Ø 22

Harmony® style 5

Pushbuttons, switches and pilot lights, with double insulated bezel

Sub-assemblies, ZB5-A

Non illuminated units  
for user assemblyPushbuttons, spring return,  
without markingBody  
sub-assembliesScrew clamp terminals  
ZB5-AZ10●/AZ141  
see page 2/10Plug-in connector  
ZB5-AZ10p4/AZ1414  
see page 2/10Pushbuttons, spring return,  
with marking

"Push-turn" pushbuttons

Double-headed pushbuttons,  
spring return"Push-push to release"  
pushbuttons

## Contact functions

Head  
sub-assemblies

Flush push

ZB5-AA0/AA9  
see page 2/11ZB5-AA●  
see page 2/11Flush push for  
insertion of legendZB5-AA●8  
see page 2/11

Flush push

ZB5-CA●  
see page 2/11

Projecting push

ZB5-AL●  
see page 2/11

Recessed push

ZB5-AA●4  
see page 2/11

Booted flush push

ZB5-AP●/AP●8  
see page 2/11

Projecting push

ZB5-CL●  
see page 2/11

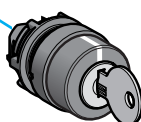
Flush push

ZB5-AA●3●/AA●4●  
see page 2/12

Projecting push

ZB5-AL  
see page 2/12

Flush push

ZB5-CA●3/CA●9  
see page 2/12

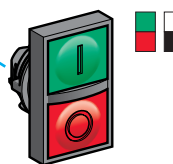
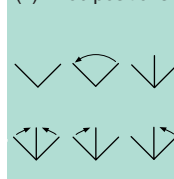
Lockable

ZB5-AFD  
see page 2/12

Knurled knob (1)

ZB5-AF  
see page 2/12

(1) Knob positions

Flush pushes (IP 40/IP 66)  
Without/with markingsZB5-AA81/AA82  
see page 2/13ZB5-AA91/AA92  
see page 2/13Flush push + Projecting push (IP 40/IP 66)  
Without/with markingsZB5-AL83/AL84  
see page 2/13ZB5-AL93/AL94  
see page 2/13

Flush push

ZB5-AH0/CH0  
see page 2/13

Projecting push

ZB5-AH●  
see page 2/13

Flush push

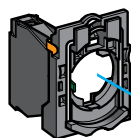
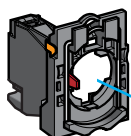
ZB5-CH0●  
see page 2/13

## Control and signalling units Ø 22

Harmony® style 5

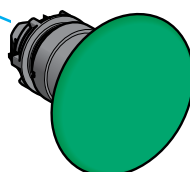
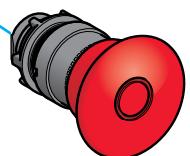
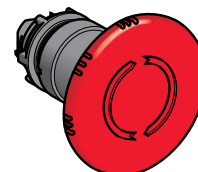
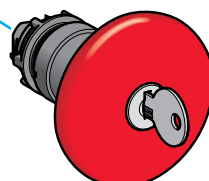
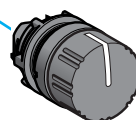
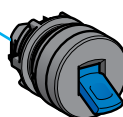
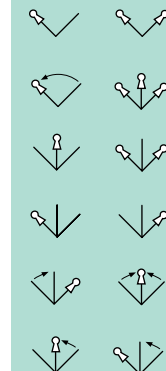
Pushbuttons, switches and pilot lights, with double insulated bezel

Sub-assemblies, ZB5-A

Non illuminated units  
for user assembly  
(continued)Mushroom head pushbuttons,  
spring returnBody  
sub-assembliesScrew clamp terminals  
ZB5-AZ10●/AZ141  
see page 2/10Mushroom head pushbuttons,  
latchingPlug-in connector  
ZB5-AZ10●4/AZ1414  
see page 2/10Selector switches  
and key switches

Toggle switches

## Contact functions (continued)

Head  
sub-assemblies
  
 Ø 30  
 Ø 40  
 Ø 60
Spring return  
ZB5-AC/AR  
see page 2/14
  
 Ø 30  
 Ø 40  
 Ø 60
Push-pull  
ZB5-AT84/AT●/AX●  
see page 2/15
  
 Ø 30  
 Ø 40  
 Ø 60
Turn to release  
ZB5-AS8●4/AS4●/AS5●/AS6●  
see page 2/15
  
 Ø 30  
 Ø 40  
 Ø 60
Key release  
ZB5-AS9●4/AS7●/AS1●/AS2●  
see page 2/15Standard handle (1)  
ZB5-AD●  
see page 2/16Long blk.handle (1)  
ZB5-AJ●  
see page 2/17Knurled blk. knob (1)  
ZB5-AD●9  
see page 2/18Key switches (2)  
ZB5-AG●/AG0●  
see page 2/192 positions  
ZB5-AD●8  
see page 2/19(1) Switch handle  
and knob(2) Key withdrawal  
positions for key  
switches  
⌘ Key withdrawal  
positions

## Control and signalling units Ø 22

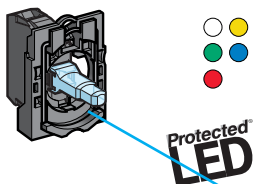
Harmony® style 5

Pushbuttons, switches and pilot lights, with double insulated bezel

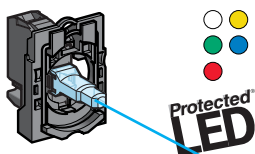
Sub-assemblies, ZB5-A

Pilot lights  
for user assembly

## Signalling functions

Body sub-assemblies  
Integral LED

Screw clamp terminals  
ZB5-AVB/AVG/AVM  
see page 2/20



Plug-in connector  
ZB5-AVB•4/AVG•4/AVM•4  
see page 2/20

## Head sub-assemblies



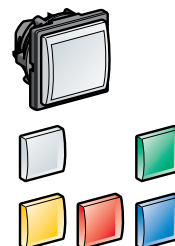
With lens mounted  
ZB5-AV0•3  
see page 2/21



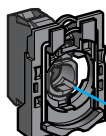
ZB5-CV0•3  
see page 2/21



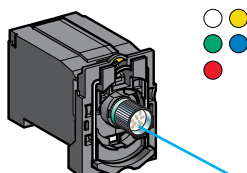
With 5 separate lenses  
ZB5-AV003  
see page 2/21



ZB5-CV003  
see page 2/21

Body sub-assemblies  
for BA 9s bulb

Direct supply  
Screw clamp terminals  
ZB5-AV6  
see page 2/21



Via integral transformer  
Screw clamp terminals  
ZB5-AV•/AV3D•(1)/AV5D•(1)  
see page 2/21

## Head sub-assemblies



With lens mounted  
ZB5-AV0•  
see page 2/21

## Control and signalling units Ø 22

Harmony® style 5

Pushbuttons, switches and pilot lights, with double insulated bezel

Sub-assemblies, ZB5-A

Illuminated pushbuttons and selector switches for user assembly

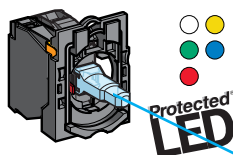
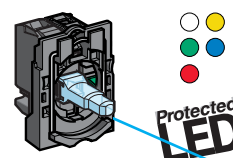
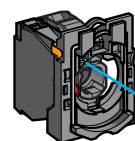
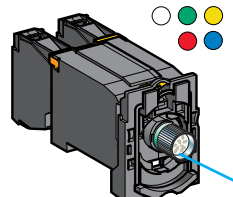
Illuminated pushbuttons, spring return

Double headed pushbuttons, spring return, with pilot light

Illuminated "push-push to release" pushbuttons and illuminated selector switches with standard handle

Illuminated pushbuttons, spring return

## Combined contact and signalling functions

Body sub-assemblies  
Integral LEDScrew clamp terminals  
ZB5-AW0B/ AW0G/  
AW0M  
see page 2/24Plug-in connector  
ZB5-AW0B/ AW0G/ AW0M  
see page 2/26Body sub-assemblies  
For BA 9s bulbDirect supply  
Screw clamp terminals  
ZB5-AW06  
see page 2/28Via integral transformer  
Screw clamp terminals  
ZB5-AW03/4/5/3D/5D  
see page 2/28

## Head sub-assemblies

Flush push with cap  
mounted or notZB5-AW3/ AW9  
see page 2/29Flush push for  
insertion of legendZB5-AA  
see page 2/29

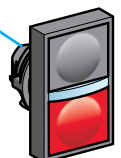
Booted Flush push

ZB5-AW5  
see page 2/29

Projecting push

ZB5-AW1/ AL  
see page 2/29

Flush or projecting push

ZB5-CW3/ CW1  
see page 2/29Flush pushes  
Without/with markingsZB5-AW81/ ZB5-AW82  
see page 2/30ZB5-AW83/ ZB5-AW84  
see page 2/30Flush push + projecting push  
Without/with markingsZB5-AW83/ ZB5-AW84  
see page 2/30ZB5-AW84  
see page 2/30Flush or projecting  
"push-push to release"ZB5-AH03/ AH  
see page 2/30Selector switches with  
standard handleZB5-AK1  
see page 2/31