


## Protection rating IP 65

For use in extreme conditions.

Series 640

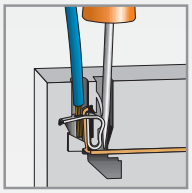
Not compatible with Kombi*SIGN* 70

### Terminal elements



Either: improved screwable connection

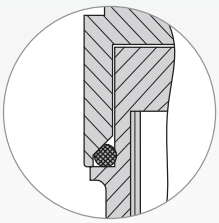




see page 23

Or: terminal element with CAGE CLAMP® technology

### Optically different to Kombi*SIGN* 70 due to:



- O-Ring seal
- Phase in inside of dome




- Cylindrical terminal element




CAGE CLAMP® is a registered trademark of WAGO Kontakttechnik GmbH.

# KombiSIGN 71 – combine the diversity!

## Configurator






**Terminal elements for base mounting**



Improved screwable connection

Order no.
**640 820 00**



Terminal element with CAGE CLAMP® technology

Order no.
**640 800 00**



Contact box for cable exit at side

Order no.
**975 840 01**



Bracket für base mounting

Order no.
**960 000 02**



Bracket for 1-sided mounting

Order no.
**975 840 85**



Bracket for 2-sided mounting

Order no.
**975 840 86**



WERMA SIGNALTECHNIK

Audible element **645**

Permanent light **641** LED permanent,
Blinking light **642** blinking or
Flashing light **643** rotating light **644**

(max. 5 signal elements can be combined)



Improved screwable connection

Order no.
**640 830 00**



Terminal element with CAGE CLAMP® technology

Order no.
**640 810 00**

## Terminal elements for tube mounting



Tube with clamp

Order no.
**960 000 18**



Base with integrated tube

Order no.
**975 840 10**



Tube ø 25 mm

| | Order no. | | Order no. |
|---|---|---|---|
| 100 mm long | **975 845 10** | 600 mm long | **975 840 60** |
| 250 mm long | **975 840 25** | 800 mm long | **975 840 80** |
| 400 mm long | **975 840 40** | 1000 mm long | **975 840 03** |



Base for tube

Order no.
**975 840 90**



Base for tube

Order no.
**975 840 91**



Contact box for cable exit at side

Order no.
**975 840 01**



Contact box with magnetic base and cable exit at side

Order no.
**975 840 04**



Bracket for base mounting with concealed cable entry

Order no.
**960 000 14**



Bracket for tube mounting

Order no.
**960 000 01**

# 640 Signal Tower Kombi*SIGN* 71




Bracket (accessory)




Base with tube (accessory)

- **High protection rating IP 65**
- **Signal tower system 70 mm ø with modular construction**
- **Improved illumination**
- **Flexible combination of optical and audible elements**

## TECHNICAL SPECIFICATIONS:

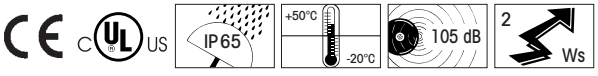
| | |
|---|---|
| **Dimensions** (Diameter x Height): | Terminal element: 70 mm x 26.5 mm<br>Light element: 70 mm x 65 mm<br>Audible element: 70 mm x 72 mm |
| **Housing:** | Terminal element: PA fibreglass, high-impact<br>Cap: PC |
| **Dome:** | PC, transparent<br>Audible and ASI elements: PC |
| **Fixing:** | Base mounting<br>Tube mounting, for tube ø 25 mm<br>Bracket mounting |
| **Socket:** | Bayounet, B 15 d, for bulbs max. 7 W |
| **Connection:** | CAGE CLAMP® technology max. 2,5 mm²<br>or screwable connection max. 2,5 mm²<br>Contact protection according to VDE |
| **Cable entry:** | Cable diameter max. 14 mm |
| **Element seal:** | Pre-mounted with each module |
| **Protection rating:** | Light elements: IP 65<br>Audible elements: IP 65<br>(Order no. 645 830 55 = IP 40) |
| **Number of modules possible:** | max. 5 / max. 10 elements with 2-sided bracket |
| **Permanent light element** | 12 - 240 V ≅<br>Bulb not included in assembly. |
| **Blinking light element** | 24 V ≅ 115 V ≅ 230 V ≅<br>Bulb not included in assembly. |
| Starting current: | < 0.5 A |
| **Flashing light element** | 24 V = 115 V ~ 230 V ~ |
| Life duration: | 4 x $10^6$ flashes |
| Current consumption: | 125 mA 20 mA 35 mA |
| reduced for AS-Interface: | 80 mA |
| Starting current: | < 0.5 A at 24 V |
| **LED Permanent light element** | 24 V ≅ 115 V ~ 230 V ~ |
| Current consumption: | 45 mA 25 mA 25 mA |
| Starting current: | < 0.5 A at 24 V |
| **LED Blinking light element** | 24 V ≅ 115 V ~ 230 V ~ |
| Current consumption: | 25 mA 25 mA 25 mA |
| Starting current: | < 0.5 A at 24 V |
| Blink frequency: | c. 1 Hz c. 1 Hz c. 1 Hz |
| **LED Rotating light element** | 24 V ≅ |
| Current consumption: | 70 mA |
| Starting current: | < 0.5 A at 24 V |
| Rotation frequency: | c. 120 r.p.m. |

## ACCESSORIES:

**see page 34**

## TECHNICAL DIAGRAMS

**see page 202**






WERMA SIGNALTECHNIK




Terminal element with cap

## ORDER SPECIFICATIONS TERMINAL ELEMENTS:

| | CAGE CLAMP® | Screw connection |
|---|---|---|
| **Terminal element for tube mounting** including cap | **640 810 00** | **640 830 00** |
| **Terminal element for bracket or base mounting** including cap and seal | **640 800 00** | **640 820 00** |
| NEW **Terminal element with USB Interface** (for tube mounting) | **640 840 00** | |

Technical specifications and order specifications see page 46.




Permanent / Blinking / Flashing light element

## ORDER SPECIFICATIONS OPTICAL ELEMENTS:

| **Permanent light** | 12-240 V |
|---|---|
| red | **641 100 00** |
| green | **641 200 00** |
| yellow | **641 300 00** |
| clear | **641 400 00** |
| blue | **641 500 00** |

Bulb not included in assembly. Accessories see page 34.

| **Blinking light** | 24 V ≅ | 115 V ≅ | 230 V ≅ |
|---|---|---|---|
| red | **642 100 75** | **642 100 77** | **642 100 78** |
| green | **642 200 75** | **642 200 77** | **642 200 78** |
| yellow | **642 300 75** | **642 300 77** | **642 300 78** |
| clear | **642 400 75** | **642 400 77** | **642 400 78** |
| blue | **642 500 75** | **642 500 77** | **642 500 78** |

Compare the prices and advantages of an LED Blinking light

Bulb not included in assembly. Accessories see page 34.




Permanent light, clear with info

| **Flashing light** | 24 V = (ASI) | 24 V = | 115 V ~ | 230 V ~ |
|---|---|---|---|---|
| red | **643 110 55** | **643 100 55** | **643 100 67** | **643 100 68** |
| green | **643 210 55** | **643 200 55** | **643 200 67** | **643 200 68** |
| yellow | **643 310 55** | **643 300 55** | **643 300 67** | **643 300 68** |
| clear | **643 410 55** | **643 400 55** | **643 400 67** | **643 400 68** |
| blue | **643 510 55** | **643 500 55** | **643 500 67** | **643 500 68** |

| **LED Permanent light** | 24 V ≅ | 115 V ~ | 230 V ~ |
|---|---|---|---|
| red | **644 100 75** | **644 100 67** | **644 100 68** |
| green | **644 200 75** | **644 200 67** | **644 200 68** |
| yellow | **644 300 75** | **644 300 67** | **644 300 68** |
| clear | **644 400 75** | **644 400 67** | **644 400 68** |
| blue | **644 500 75** | **644 500 67** | **644 500 68** |

| **LED Blinking light** | 24 V ≅ | 115 V ~ | 230 V ~ |
|---|---|---|---|
| red | **644 110 75** | **644 110 67** | **644 110 68** |
| green | **644 210 75** | **644 210 67** | **644 210 68** |
| yellow | **644 310 75** | **644 310 67** | **644 310 68** |
| clear | **644 410 75** | **644 410 67** | **644 410 68** |
| blue | **644 510 75** | **644 510 67** | **644 510 68** |

| **LED Rotating light** | 24 V ≅ |
|---|---|
| red | **644 130 75** |
| green | **644 230 75** |
| yellow | **644 330 75** |
| clear | **644 430 75** |
| blue | **644 530 75** |

Further voltages on request.




LED element

# 640 Signal Tower Kombi*SIGN* 71




Audible element



Siren element with self-adjusting sound output



GSM Transmitter Element

## ORDER SPECIFICATIONS AUDIBLE ELEMENTS:

| | | | |
|---|---|---|---|
| **Buzzer element**<br>85 dB, 25 mA, IP 65,<br>Continuous or pulse tone | 24 V ≅<br>**645 800 75** | 115 V ≅<br>**645 800 77** | 230 V ~<br>**645 800 68** |
| **Siren element**<br>105 dB, 100 mA, IP 40<br>Continuous tone alternating | 24 V =<br>**645 830 55**<br>no UL approval | | |
| **Multi-functional Siren**<br>100 dB, IP 65, 8 different tones, adjustable sound output | 24 V ≅ / 80 mA<br>**645 820 75** | 115 V ~ / 40 mA<br>**645 820 67** | 230 V ~ / 40 mA<br>**645 820 68** |
| **Multi-functional Siren, with external control**<br>100 dB, 80 mA, IP 65, 7 diff. tones can be triggered externally, adjustable sound output | 24 V =<br>**645 850 55** | | |
| **Siren element with self-adjusting sound output**<br>Technical specifications see page 44. | 12 V =<br>**645 810 55** | | |

## ORDER SPECIFICATIONS KOMBI*SIGN* HIGHLIGHTS:

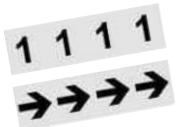
| | | | |
|---|---|---|---|
| **GSM transmitter element for Kombi*SIGN* 71**<br>Technical specifications see page 43. | 24 V DC<br>**646 700 55** | NEW | For US frequencies, 24 V DC<br>**646 710 55** |
| NEW **AS-Interface element for Kombi*SIGN* 71**<br>Technical specifications see page 42. | Standard Slave<br>24 V DC<br>**646 830 55** | | A/B-Slave<br>24 V DC<br>**646 810 55** |

# Accessories for Signal Tower Kombi*SIGN* 71










## ORDER SPECIFICATIONS:

Bulb BA 15d,
Total length max. 42 mm

| | | | |
|---|---|---|---|
| 12 V, 5 Watt | **955 840 34** | 115 V, 5 Watt | **955 840 57** |
| 24 V, 5 Watt | **955 840 35** | 230 V, 5 Watt | **955 840 38** |
| 30 V, 5 Watt | **955 840 32** | | |

LED bulb BA 15d, total length max. 42 mm

| | | | |
|---|---|---|---|
| Voltage | 24 V ≅ | 115 V ~ | 230 V ~ |
| Current consumption | < 45 mA | < 15 mA | < 15 mA |
| red | **956 100 75** | **956 100 67** | **956 100 68** |
| green | **956 200 75** | **956 200 67** | **956 200 68** |
| yellow | **956 300 75** | **956 300 67** | **956 300 68** |
| white | **956 400 75** | **956 400 67** | **956 400 68** |
| blue | **956 500 75** | **956 500 67** | **956 500 68** |
| | for permanent light 641and blinking light 642 | for permanent light 641 | for permanent light 641 |

Indication board **960 000 05**
Technical specifications and order specifications see pages 52 and 54.

Info transparencies (to place inside optical elements)
Technical specifications and order specifications see page 55.



WERMA SIGNALTECHNIK

# Accessories for Signal Tower Kombi*SIGN* 71
































## ORDER SPECIFICATIONS:

| | |
|---|---|
| Contact box for cable exit at side, with mounting material | **975 840 01** |
| Contact box with magnetic base and cable exit at side | **975 840 04** |
| Bracket for tube mounting with cable gland | **960 000 01** |
| Bracket for surface mounting with cable gland | **960 000 02** |
| Bracket for base mounting with concealed cable entry, incl. rubber seals | **960 000 14** |
| Bracket for 1-sided mounting, incl. rubber seals | **975 840 85** |
| Bracket for 2-sided mounting, incl. rubber seals | **975 840 86** |
| Tube with clamp, ø 25 mm 250 mm long, with cable gland | **960 000 18** |
| Tube ø 25 mm, all anodized aluminium | |
| 100 mm long | **975 845 10** |
| 250 mm long | **975 840 25** |
| 400 mm long | **975 840 40** |
| 600 mm long | **975 840 60** |
| 800 mm long | **975 840 80** |
| 1000 mm long | **975 840 03** |
| Base for tube mounting ø 25 mm, plastic, incl. rubber seal | **975 840 90** |
| Base for tube mounting ø 25 mm, metal, incl. rubber seal | **975 840 91** |
| Base with integrated tube, ø 25 mm, 110 mm long, plastic, incl. rubber seal | **975 840 10** |
| Adapter for tube mounting ø 25 mm / 1/2″ thread | **975 840 02** |
| Cable gland for surface mounting M 16 x 1.5 | **960 000 04** |

## TECHNICAL DIAGRAMS

**see page 202**