



Signal towers K70 Signal beacons KSB



Signal towers K70 and Signal beacons KSB offer a wide range of signal elements in all voltages and a solution for every signalling field.

Signal towers K70

- Fast mounting of signal elements using bayonet fixing.
- Easy changing of bulbs for each module without tools.
- Flexibility of signal element combination.
- Up to 5 elements possible/up to 10 elements with bracket for 2-sided mounting.
- Flashing light elements can be mounted in each module.
- Up to 5 flashing light elements possible.
- High protection rating optical and audible signal elements with IP 54.
- LED elements for long life
- Large variety of different versions
 - Permanent light, 12-240V, AC/DC
 - Blinking light, 24-230V
 - Flashing light, 24-230V
 - Audible 85db continuous or pulsating
 - LED, 24-230V

Signal beacons KSB

- Large variety of different versions:
 - Permanent light, max. 250V
 - Blinking light, 24V, AC/DC
 - Flashing light, 24-230VAC
 - LED light, 24V, AC/DC
- IP65 for outdoor use
- Available in 5 colors
- High impact polycarbonate

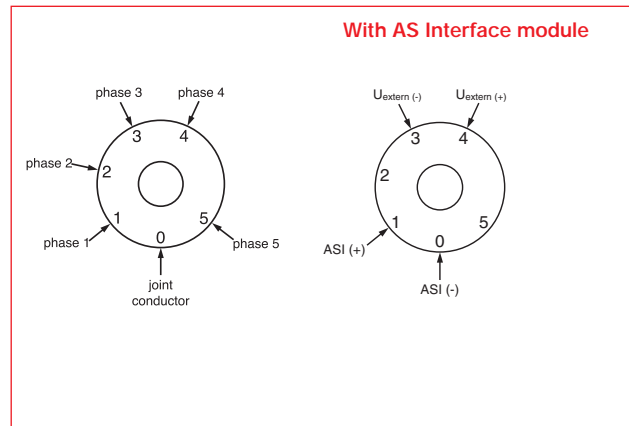
Signal towers K70 Description

Simple fitting with quick fix system

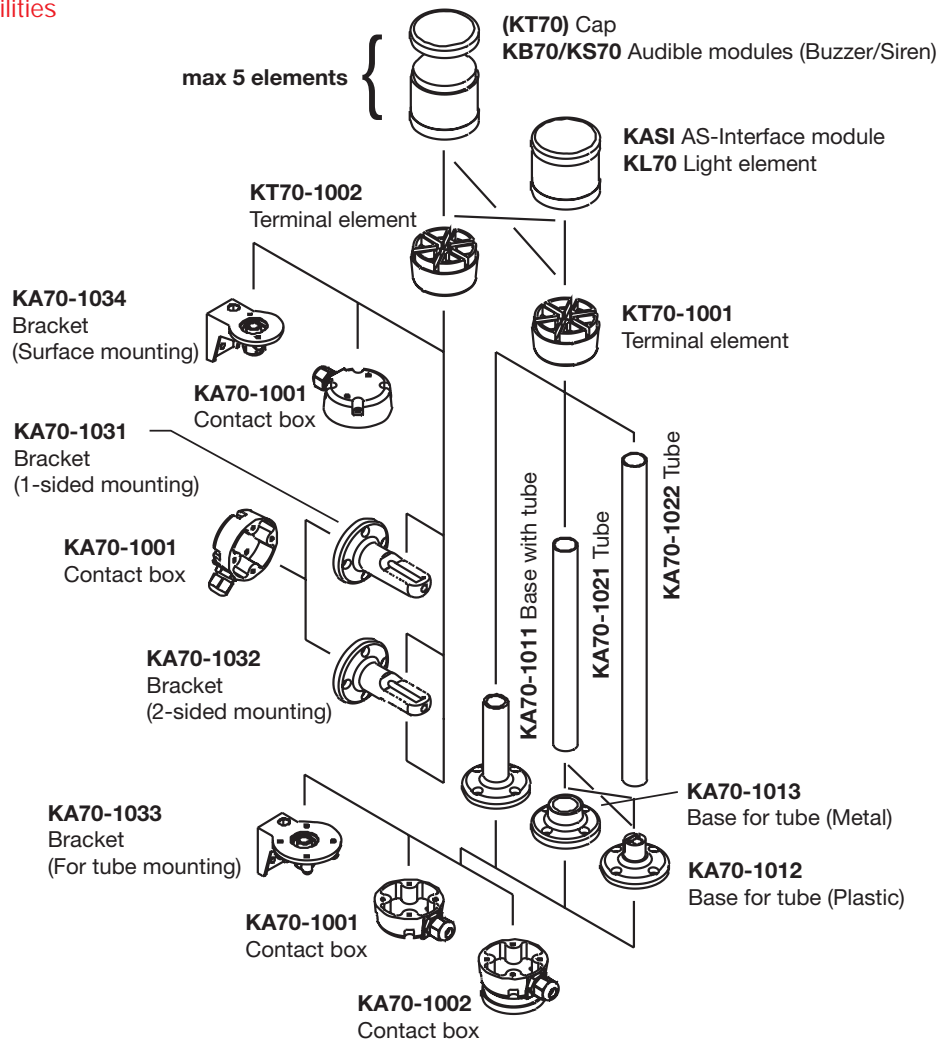
Each K 70 module is equipped with a bayonet fixing with integral contact system. The modules are fastened together by aligning the corresponding white marks then with a gentle twist they are locked into place (see the figures).



Connection plans



Combination possibilities



Signal towers K70



Optical modules

Description	Catalog No.	Ref. Code	List Price
Light element			
Permanent light , 12-240 V AC/DC. For bulb BA15d. Bulb not included.			
Red	KL70-401R	1SFA 616 070 R4011	\$ 36.00
Green	KL70-401G	1SFA 616 070 R4012	
Yellow	KL70-401Y	1SFA 616 070 R4013	
Blue	KL70-401L	1SFA 616 070 R4014	
Clear	KL70-401C	1SFA 616 070 R4018	
Blinking light , 24 V AC/DC. For bulb BA15d. Bulb not included.			
Red	KL70-302R	1SFA 616 070 R3021	100.00
Green	KL70-302G	1SFA 616 070 R3022	
Yellow	KL70-302Y	1SFA 616 070 R3023	
Blue	KL70-302L	1SFA 616 070 R3024	
Clear	KL70-302C	1SFA 616 070 R3028	
Flashing light , 24 V DC. Xenon tube included. Not changeable.			
Red	KL70-203R	1SFA 616 070 R2031	165.00
Green	KL70-203G	1SFA 616 070 R2032	
Yellow	KL70-203Y	1SFA 616 070 R2033	
Blue	KL70-203L	1SFA 616 070 R2034	
Clear	KL70-203C	1SFA 616 070 R2038	
Blinking light , 115 V AC/DC. For bulb BA15d. Bulb not included.			
Red	KL70-312R	1SFA 616 070 R3121	100.00
Green	KL70-312G	1SFA 616 070 R3122	
Yellow	KL70-312Y	1SFA 616 070 R3123	
Blue	KL70-312L	1SFA 616 070 R3124	
Clear	KL70-312C	1SFA 616 070 R3128	
Flashing light , 115 V AC. Xenon tube included. Not changeable.			
Red	KL70-113R	1SFA 616 070 R1131	155.00
Green	KL70-113G	1SFA 616 070 R1132	
Yellow	KL70-113Y	1SFA 616 070 R1133	
Blue	KL70-113L	1SFA 616 070 R1134	
Clear	KL70-113C	1SFA 616 070 R1138	
Blinking light , 230 V AC/DC. For bulb BA15d. Bulb not included.			
Red	KL70-322R	1SFA 616 070 R3221	100.00
Green	KL70-322G	1SFA 616 070 R3222	
Yellow	KL70-322Y	1SFA 616 070 R3223	
Blue	KL70-322L	1SFA 616 070 R3224	
Clear	KL70-322C	1SFA 616 070 R3228	
Flashing light , 230 V AC. Xenon tube included. Not changeable.			
Red	KL70-123R	1SFA 616 070 R1231	155.00
Green	KL70-123G	1SFA 616 070 R1232	
Yellow	KL70-123Y	1SFA 616 070 R1233	
Blue	KL70-123L	1SFA 616 070 R1234	
Clear	KL70-123C	1SFA 616 070 R1238	
LED Permanent light , 24 V AC/DC. LED included. Not changeable.			
Red	KL70-305R	1SFA 616 070 R3051	135.00
Green	KL70-305G	1SFA 616 070 R3052	
Yellow	KL70-305Y	1SFA 616 070 R3053	
Blue	KL70-305L	1SFA 616 070 R3054	
White	KL70-305C	1SFA 616 070 R3058	
LED Blinking light , 24 V AC/DC. LED included. Not changeable.			
Red	KL70-306R	1SFA 616 070 R3061	140.00
Green	KL70-306G	1SFA 616 070 R3062	
Yellow	KL70-306Y	1SFA 616 070 R3063	
Blue	KL70-305L	1SFA 616 070 R3064	
White	KL70-305C	1SFA 616 070 R3068	
LED Rotating light , 24 V AC/DC. LED included. Not changeable.			
Red	KL70-307R	1SFA 616 070 R3071	140.00
Green	KL70-307G	1SFA 616 070 R3072	
Yellow	KL70-307Y	1SFA 616 070 R3073	
Blue	KL70-305L	1SFA 616 070 R3074	
White	KL70-305C	1SFA 616 070 R3078	

Signal towers K70 Accessories

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KA70-1001



KA70-1002



KA70-1012



KA70-1013

KA70-1021



KA70-1011



KA70-1032



KA70-1033

Description	Catalog No.	Ref. Code	List Price
Bulbs for Signal Tower K70 Bulb Ba 15d, 42 mm, Max 7 W For permanent or blinking light.			
24 V, 5 W, AC/DC	KLB24	1SFA 616 923 R1028	
115 V, 5 W, AC/DC	KLB1	1SFA 616 923 R1118	\$ 8.00
230 V, 5 W, AC/DC	KLB2	1SFA 616 923 R1148	

LED bulbs for Signal Tower K70 Ba 15d. For 24 V AC/DC, 40 mA			
Color:			
Red	KA4-1021	1SFA 616 924 R1021	
Green	KA4-1022	1SFA 616 924 R1022	
Yellow	KA4-1023	1SFA 616 924 R1023	175.00
Blue	KA4-1024	1SFA 616 924 R1024	
White	KA4-1025	1SFA 616 924 R1025	

Audible modules

Buzzer element			
85 dB, continuous or pulsating tone, adjustable, 8mA			
24 V AC/DC	KB70-3001	1SFA 616 071 R3001	95.00
115 V AC/DC	KB70-3101	1SFA 616 071 R3101	115.00
230 V AC	KB70-1201	1SFA 616 071 R1201	115.00

Siren element			
Multi function, 8 diff. tones adjustable, volume adjustable 100 dB, 115 VAC, 40 mA	KS70-1104	1SFA 616 073 R1104	155.00
Multi function, 8 diff. tones adjustable, 40 mA volume adjustable 100 dB, 230 VAC, 40 mA	KS70-1204	1SFA 616 073 R1204	155.00
Multi function, 7 diff. tones adjustable, volume adjustable, remote control 100 dB, 24 VDC, 100 mA	KS70-2004	1SFA 616 073 R2004	145.00
Multi function, 8 diff. tones adjustable, volume adjustable, 100 dB, 24 VAC/DC, 80 mA	KS70-3004	1SFA 616 073 R3004	145.00
Continuous tone alternating 108 dB, 24 VDC, 100 mA	KS70-2002	1SFA 616 073 R2002	100.00

AS-Interface Module			
18,5-31,6 VAC/DC	KASI-4101	1SFA 616 079 R4101	300.00
for external voltage			
18,5-31,6 VAC/DC	KASI-4102	1SFA 616 079 R4102	300.00

Terminal elements			
For tube mounting, including cap	KT70-1001	1SFA 616 075 R1001	40.00
For bracket or base, including cap	KT70-1002	1SFA 616 075 R1002	40.00

Special parts

Contact box			
Cable exit at side	KA70-1001	1SFA 616 077 R1001	23.00
Magnetic base	KA70-1002	1SFA 616 077 R1002	65.00
Base with tube			
D=25 mm L=110 mm	KA70-1011	1SFA 616 077 R1011	33.00
Base for tube			
D=25 mm, Plastic	KA70-1012	1SFA 616 077 R1012	15.00
D=25 mm, Metal	KA70-1013	1SFA 616 077 R1013	32.00
Tube, anodized aluminum			
D=25 mm L=250 mm	KA70-1021	1SFA 616 077 R1021	20.00
D=25 mm L=400 mm	KA70-1022	1SFA 616 077 R1022	27.00
Bracket			
1-sided mounting	KA70-1031	1SFA 616 077 R1031	20.00
2-sided mounting	KA70-1032	1SFA 616 077 R1032	20.00
For tube mounting	KA70-1033	1SFA 616 077 R1033	20.00
For surface mounting	KA70-1034	1SFA 616 077 R1034	20.00

Signal Beacons KSB



Signal Beacons KSB

Description	Catalog No.	Ref. Code	List Price
Permanent light , 12-240 V AC/DC. For bulb BA15d. Bulb not included.			
Red	KSB-401R	1SFA 616 080 R4011	\$ 55.00
Green	KSB-401G	1SFA 616 080 R4012	
Yellow	KSB-401Y	1SFA 616 080 R4013	
Blue	KSB-401L	1SFA 616 080 R4014	
Clear	KSB-401C	1SFA 616 080 R4018	
Flashing light , 24 V DC. Xenon tube included. Not changeable.			
Red	KSB-203R	1SFA 616 080 R2031	180.00
Green	KSB-203G	1SFA 616 080 R2032	
Yellow	KSB-203Y	1SFA 616 080 R2033	
Blue	KSB-203L	1SFA 616 080 R2034	
Clear	KSB-203C	1SFA 616 080 R2038	
Flashing light , 115 V AC. Xenon tube included. Not changeable.			
Red	KSB-113R	1SFA 616 080 R1131	155.00
Green	KSB-113G	1SFA 616 080 R1132	
Yellow	KSB-113Y	1SFA 616 080 R1133	
Blue	KSB-113L	1SFA 616 080 R1134	
Clear	KSB-113C	1SFA 616 080 R1138	
Flashing light , 230 V AC. Xenon tube included. Not changeable.			
Red	KSB-123R	1SFA 616 080 R1231	155.00
Green	KSB-123G	1SFA 616 080 R1232	
Yellow	KSB-123Y	1SFA 616 080 R1233	
Blue	KSB-123L	1SFA 616 080 R1234	
Clear	KSB-123C	1SFA 616 080 R1238	
LED Permanent light , 24 V AC/DC. LED included. Not changeable.			
Red	KSB-305R	1SFA 616 080 R3051	190.00
Green	KSB-305G	1SFA 616 080 R3052	
Yellow	KSB-305Y	1SFA 616 080 R3053	
LED Blinking light , 24 V AC/DC. LED included. Not changeable.			
Red	KSB-306R	1SFA 616 080 R3061	195.00
Green	KSB-306G	1SFA 616 080 R3062	
Yellow	KSB-306Y	1SFA 616 080 R3063	
LED Rotating light , 24 V AC/DC. LED included. Not changeable.			
Red	KSB-307R	1SFA 616 080 R3071	195.00
Green	KSB-307G	1SFA 616 080 R3072	
Yellow	KSB-307Y	1SFA 616 080 R3073	
Special parts			
Anti-twist device	KASB-100	1SFA 616 087 R1000	8.00
Bulbs for Signal Beacons Max 10 W. For permanent light, 2,000 hour life.			
Bulb Ba15d, 52 mm:			
12 V, 7 W, AC/DC	1SFA 616 922 R1018	1SFA 616 922 R1018	8.00
24 V, 7 W, AC/DC	1SFA 616 922 R1028	1SFA 616 922 R1028	
115 V, 7 W, AC/DC	1SFA 616 922 R1118	1SFA 616 922 R1118	
220-260 V, 7-10 W, AC/DC	1SFA 616 922 R1148	1SFA 616 922 R1148	



Technical data

Signal Towers K70

Signal Beacons KSB

Signal Towers K70

Approvals



Technical specifications

Housing and accessories

Dome

Fixing

Socket

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Connection

Number of modules possible
2-sided bracket

Polyamide, high impact, black
Polycarbonate, transparent
Base mounting
Tube mounting, for tube ø 25 mm
Bracket mounting
B 15 d, for bulb max. 7W
Screwable connection up to 2.5 mm²
max. 5
max. 10 elements

Degrees of protection

Light elements

Audible elements

IP 54 UL Type 5

IP 54 UL Type 5

Electrical data

Permanent light element

Bulb socket B 15 d, max 7 W

Blinking light element AC/DC

12 - 240 V AC/DC
Bulb not included
24 V 115 V 230 V
AC/DC AC/DC
Bulb not included
< 0.5 A

Starting current

Flashing light element

Flash frequency

Flash energy

Life duration

Current consumption

reduced for AS-Interface

Starting current

24 V 115 V 230 V
DC AC AC

1 Hz 1 Hz 1 Hz

2 Ws 2 Ws 2 Ws

4 x 10⁶ flashes

125 mA 20 mA 35 mA

80 mA

< 0.5 A at 24 V

LED Permanent light element

Current consumption

Starting current

24 V 115 V 230 V
AC/DC AC AC

45 mA 25 mA 25 mA

< 0.5 A at 24 V

LED Blinking light element

Current consumption

Starting current

Blink frequency

24 V 115 V 230 V
AC/DC AC AC

25 mA 25 mA 25 mA

< 0.5 A at 24 V

c. 1 Hz c. 1 Hz c. 1 Hz

LED Rotating light element

Current consumption

Starting current

Rotation frequency

24 V, AC/DC

70 mA

< 0.5 A at 24 V

c. 120 r.p.m.

Temperature

Ambient temperature during operations

-20 to +50 °C

Signal Beacons KSB

Approvals



Technical specifications

Housing and accessories

Dome

Fixing

Bulb socket

Bulb change

PC/ABS-Blend, high impact, black

Polycarbonate, transparent

Installation mounting for ø 37 mm (PG 29)

B 15 d, max. 10 W

via rear access with bayonet mechanism (Bulb not included)

Screwable connection max. 2.5 mm²

Connection

Degrees of protection

Electrical data

Permanent light element

Operating voltage

Bulb socket B 15 d, max 10 W

max. 250 V

Bulb not included

LED version:

Permanent light

Current consumption

Blinking light element

Current consumption

Rotating light element

Current consumption

Starting current

24 V, AC/DC

45 mA

24 V, AC/DC

25 mA

24 V, AC/DC

70 mA

< 0.5 A

Flashing light element

Operating voltage

Flash frequency

Flash energy

Life duration

Current consumption

Starting current

24 V 115 V 230 V
AC/DC AC AC

1 Hz 1 Hz 1 Hz

2 Ws 2 Ws 2 Ws

4 x 10⁶ flashes

125 mA 20 mA 35 mA

< 0.5 A < 0.5 A < 0.25 A

Temperature

Ambient temperature during operations

-20 to +50 °C