

Signal Towers & beacons



Signal towers K70 Signal beacons KSB



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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, 24V

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

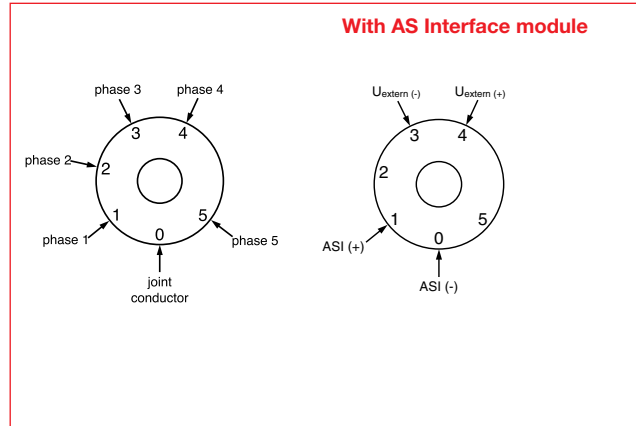
Simple fitting with quick fix system

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).

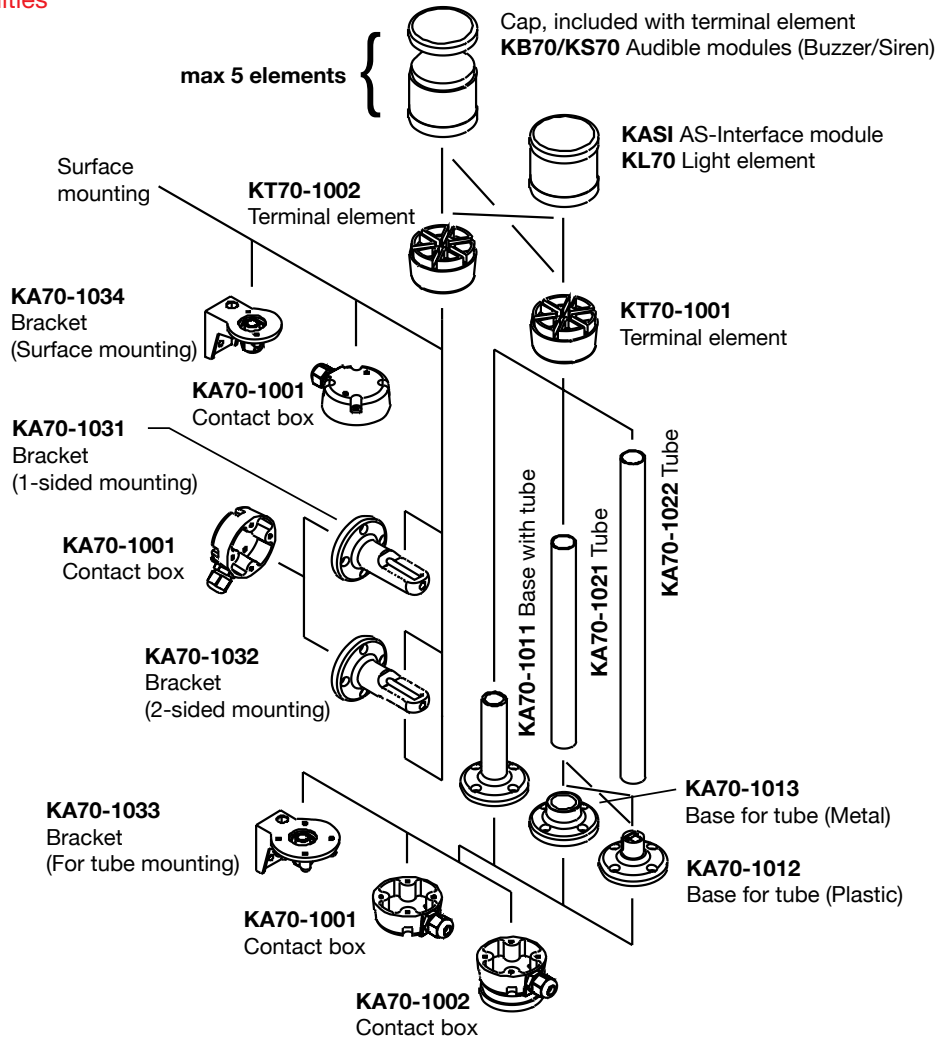


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Connection plans



Combination possibilities



Signal towers K70

Pilot Devices
Stacklights &
signal beacons



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

Description	Catalog No.	Ref. Code	List Price
Bulbs Bulb Ba 15d, 42 mm, Max 7 W For permanent or blinking light.			
24 V, 5 W, AC/DC	KLB24	1SFA 616 923 R1028	\$ 8.00
115 V, 5 W, AC/DC	KLB1	1SFA 616 923 R1118	
230 V, 5 W, AC/DC	KLB2	1SFA 616 923 R1148	
LED bulbs Ba 15d. For 24 V AC/DC, 40 mA			
Red	KA4-1021	1SFA 616 924 R1021	175.00
Green	KA4-1022	1SFA 616 924 R1022	
Yellow	KA4-1023	1SFA 616 924 R1023	
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 for external voltage	KASI-4101	1SFA 616 079 R4101	300.00
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



KA70-1001



KA70-1002



KA70-1012



KA70-1013

KA70-1021



KA70-1011



KA70-1032



KA70-1033

Signal Beacons KSB

Pilot Devices
Stacklights &
signal beacons



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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:			8.00
12 V, 7 W, AC/DC	1SFA 616 922 R1018	1SFA 616 922 R1018	
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	Polyamide, high impact, black
Dome	Polycarbonate, transparent
Fixing	Base mounting Tube mounting, for tube ø 25 mm Bracket mounting B 15 d, for bulb max. 7W
Socket	B 15 d, for bulb max. 7W
8 Connection	Screwable connection up to 2.5 mm ²
Number of modules possible	max. 5
2-sided bracket	max. 10 elements

Degrees of protection

Light elements	IP 54 UL Type 5
Audible elements	IP 54 UL Type 5

Electrical data

Permanent light element	12 - 240 V AC/DC
Bulb socket B 15 d, max 7 W	Bulb not included
Blinking light element	<u>24 V</u> <u>115 V</u> <u>230 V</u> AC/DC AC/DC AC/DC Bulb not included
Starting current	< 0.5 A
Flashing light element	<u>24 V</u> <u>115 V</u> <u>230 V</u> DC AC AC
Flash frequency	1 Hz 1 Hz 1 Hz
Flash energy	2 Ws 2 Ws 2 Ws
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	<u>24 V</u> AC/DC
Current consumption	45 mA
Starting current	< 0.5 A at 24 V
LED Blinking light element	<u>24 V</u> AC/DC
Current consumption	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, AC/DC
Current consumption	70 mA
Starting current	< 0.5 A at 24 V
Rotation frequency	c. 120 r.p.m.
Temperature	
Ambient temperature during operations	-20 to +50 °C

Signal Beacons KSB

Approvals



Technical specifications

Housing and accessories	PC/ABS-Blend, high impact, black
Dome	Polycarbonate, transparent
Fixing	Installation mounting for ø 37 mm (PG 29)
Bulb socket	B 15 d, max. 10 W
Bulb change	via rear access with bayonet mechanism (Bulb not included)
Connection	Screwable connection max. 2.5 mm ²

Degrees of protection

IP 65 UL Type 5

Electrical data

Permanent light element	
Operating voltage	max. 250 V
Bulb socket B 15 d, max 10 W	Bulb not included
LED version:	
Permanent light	24 V, AC/DC
Current consumption	45 mA
Blinking light element	24 V, AC/DC
Current consumption	25 mA
Rotating light element	24 V, AC/DC
Current consumption	70 mA
Starting current	< 0.5 A
Flashing light element	
Operating voltage	<u>24 V</u> <u>115 V</u> <u>230 V</u> AC/DC AC AC
Flash frequency	1 Hz 1 Hz 1 Hz
Flash energy	2 Ws 2 Ws 2 Ws
Life duration	4 x 10 ⁶ flashes
Current consumption	125 mA 20 mA 35 mA
Starting current	< 0.5 A < 0.5 A < 0.25 A
Temperature	
Ambient temperature during operations	-20 to +50 °C