

Signal towers and signal beacons

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

Signal towers

- 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
- High protection rating optical and audible signal elements with IP54
- LED elements for long life

Signal beacons

- Design withstands every mechanical and natural challenge both indoors and outdoors.
- High protection rating IP65
- Cap consists of high impact polycarbonate (up to 20 J)
- Bulb change via inside of control box

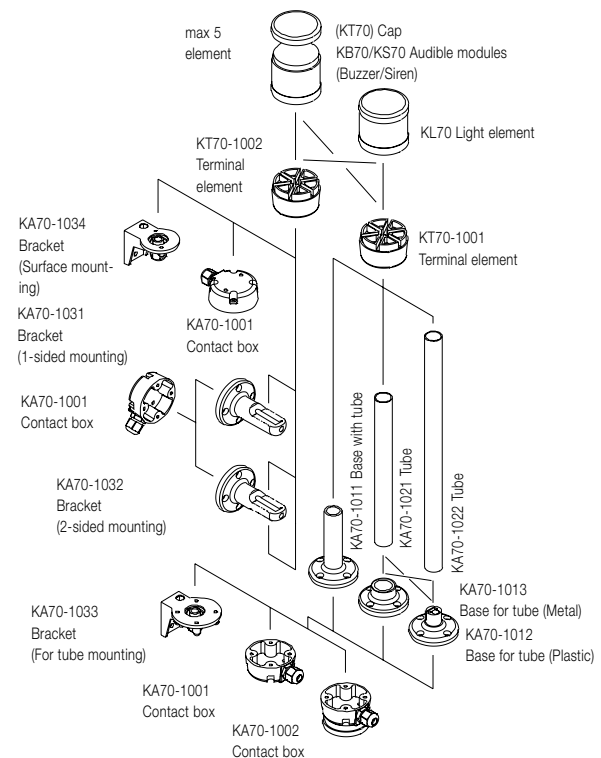
Simple fitting with quick fix system

Each signal tower 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).

Signal towers and beacons

- Permanent light
- Blinking light
- Flashing light
- Audible
- LED permanent light
- LED blinking light
- LED rotating light

Combination possibilities



Signal towers and signal beacons

Overview

Ordering data

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Signal towers



KL70-401B

1SFC151607P001



KL70-401Y

1SFC151608P001



KA4-102...

1SFC151609P001

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Description

Colors	Red	Green	Yellow	Blue	Clear
Replace <input checked="" type="checkbox"/> in type with	R	G	Y	L	C
Replace <input type="checkbox"/> in order code with	1	2	3	4	8

Description	Type	Order code	Pkg qty	Weight (1 pce) Kg
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Light element

Available in red, green, yellow, blue and clear

Permanent light, 12-240 V AC/DC For bulb BA 15d. Bulb not included	KL70-401	1SFA616070R401	1	0.09
Blinking light, 24 V AC/DC with integrated LED	KL70-306	1SFA616070R306	1	0.10
Flashing light, 24 V AC/DC with integrated xenon tube	KL70-203	1SFA616070R203	1	0.12
Blinking light, 115 V AC with integrated LED	KL70-342	1SFA616070R342	1	0.10
Flashing light, 115 V AC with integrated xenon tube	KL70-113	1SFA616070R113	1	0.11
Blinking light, 230 V AC with integrated LED	KL70-352	1SFA616070R352	1	0.10
Flashing light, 230 V AC with integrated xenon tube	KL70-123	1SFA616070R123	1	0.11
LED permanent light, 24 V AC/DC with integrated LED	KL70-305	1SFA616070R305	1	0.10
LED rotating light, 24 V AC/DC with integrated LED	KL70-307	1SFA616070R307	1	0.10

Bulbs: Bulb Ba 15d, 42mm, max 7 W for permanent or blinking light

24 V, 5 W, AC/DC	KA4-1021	1SFA616923R1028	10	0.009
115 V, 5 W, AC/DC	KA4-1118	1SFA616923R1118	10	0.009
230 V, 5 W, AC/DC	KA4-1148	1SFA616923R1148	10	0.009

LED bulbs Ba 15d, 40mA

Available in red, green, yellow, blue and white

24 V AC/DC	KA4-102	1SFA616924R102	1	0.009
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Audible modules buzzer element. 85 dB, continuous or pulsating tone, adjustable

24 V AC/DC	KB70-3001	1SFA616071R3001	1	0.11
115 V AC	KB70-3101	1SFA616071R3101	1	0.11
230 V AC	KB70-1201	1SFA616071R1201	1	0.12



Signal towers



KT70-10...

1SFC151510F0001



KA70-1001

1SFC151511F0001



KA70-1034

1SFC151512F0001

Description	Type	Order code	Pkg qty	Weight (1 pce) Kg
Siren element				
Multi function, 8 diff. Tones adjustable, volume adjustable 100 dB, 115 V AC	KS70-1104	1SFA616073R1104	1	0.13
Multi function, 8 diff. Tones adjustable, volume adjustable 100 dB, 230 V AC	KS70-1204	1SFA616073R1204	1	0.12
Multi function, 7 diff. Tones adjustable, volume adjustable, 100 dB, 24 V DC	KS70-2004	1SFA616073R2004	1	0.12
Multi function, 8 diff. Tones adjustable, volume adjustable 100 dB, 24 V AC/DC	KS70-3004	1SFA616073R3004	1	0.12
Continuous tone alternating 108 dB, 24 V DC	KS70-2002	1SFA616073R2002	1	0.15
Terminal elements				
For tube mounting, including cap	KT70-1001	1SFA616075R1001	1	0.15
For bracket or base, including cap	KT70-1002	1SFA616075R1002	1	0.15
Special parts				
Contact box				
Cable exit at side	KA70-1001	1SFA616077R1001	1	0.07
Magnetic base	KA70-1002	1SFA616077R1002	1	0.07
Base with tube				
D=25 mm L=110 mm	KA70-1011	1SFA616077R1011	1	0.06
Base for tube				
D=25 mm, plastic	KA70-1012	1SFA616077R1012	1	0.03
D=25 mm, metal	KA70-1013	1SFA616077R1013	1	0.32
Tube, anodized aluminum				
D=25 mm L=250 mm	KA70-1021	1SFA616077R1021	1	0.08
D=25 mm L=400 mm	KA70-1022	1SFA616077R1022	1	0.12
D=25 mm L=800 mm	KA70-1023	1SFA616077R1023	1	0.24
Bracket				
1-sided mounting	KA70-1031	1SFA616077R1031	1	0.07
2-sided mounting	KA70-1032	1SFA616077R1032	1	0.07
For tube mounting	KA70-1033	1SFA616077R1033	1	0.07
For surface mounting	KA70-1034	1SFA616077R1034	1	0.07

Signal beacons



KSB-401G

1SFC151519P001



KASB-100

1SFC151514R001

Description

Colors	● Red	● Green	● Yellow	● Blue	○ Clear
Replace ■ in type with	R	G	Y	L	C
Replace □ in order code with	1	2	3	4	8

Description	Type	Order code	Pkg qty	Weight (1pce) Kg
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Light element: Available in red, green, yellow, blue and clear

Permanent light, 12-240 V AC/DC. For Bulb BA 15d Bulb not included	KSB-401■	1SFA616080R401□	1	0.13
Flashing light, 24 V DC. With integrated xenon tube	KSB-203■	1SFA616080R203□	1	0.14
Flashing light, 115 V AC. With integrated xenon tube	KSB-113■	1SFA616080R113□	1	0.14
Flashing light, 230 V AC. With integrated xenon tube	KSB-123■	1SFA616080R123□	1	0.14

Light element LED: Available in red, green and yellow

LED permanent light, 24 V AC/DC. With integrated LED	KSB-305■	1SFA616080R305□	1	0.14
LED blinking light, 24 V AC/DC. With integrated LED	KSB-306■	1SFA616080R306□	1	0.14
LED rotation light, 24 V AC/DC. With integrated LED	KSB-307■	1SFA616080R307□	1	0.14

Special parts

Anti-twist device	KASB-100	1SFA616087R1000	1	0.005
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Bulbs for signal beacons max 10 W. For permanent light Bulb Ba 15d, 52mm

12 V, 7 W, AC/DC	KA3-1018	1SFA616922R1018	10	0.011
24 V, 7 W, AC/DC	KA3-1028	1SFA616922R1028	10	0.011
115 V, 7 W, AC/DC	KA3-1118	1SFA616922R1118	10	0.011
220-260 V, 7-10 W, AC/DC	KA3-1148	1SFA616922R1148	10	0.011

Technical data

Signal towers and signal beacons

Signal towers K70

Technical specifications			
Housing and accessories	Polyamide, high impact, black		
Dome	Polycarbonate, transparent		
Fixing	Base mounting, tube Ø 25mm, bracket mounting		
Socket	B 15 d, for bulb max. 7W		
Connection	Screw connection up to 2.5 mm ²		
Number of modules possible 2-sided bracket	max. 5	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		
	24 V DC	115 V AC	230 V AC
Flashing light element			
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 reduced for AS-Interface	125 mA 80 mA	20mA	35 mA
Starting current	< 0.5 A at 24 V		
	24 V AC/DC	115 V AC	230 V AC
LED permanent light element			
Life duration	100 000 hours		
Current consumption	45 mA	25mA	25mA
Starting current	< 0.5 A at 24 V		
	24 V AC/DC	115 V AC	230 V AC
LED blinking light element			
Life duration	100 000 hours		
Current consumption	25 mA	25mA	25mA
Starting current	< 0.5 A at 24 V		
Blink frequency	c. 1 Hz	c. 1 Hz	c. 1 Hz
	24 V AC/DC		
LED rotation light element			
Life duration	100 000 hours		
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

Technical specifications			
Housing and accessories	PC/ABS-blend, high impact, black		
Dome	Polycarbonate, transparent		
Fixing	Installation mounting for Ø 37mm, (PG 29)		
Bulb socket	B 15 d, for bulb max. 10W		
Bulb change	Via rear access with bayonet mechanism (Bulb not included)		
Connection	Screw connection max 2.5 mm ²		
Degrees of protection			
	IP 65, UL type 5		
Electrical data			
Permanent light element			
Operating voltage	max. 250 V		
Life duration	100 000 hours		
Bulb socket B 15 d, max 10 W	Bulb not included		
LED version: Permanent light	24 V, AC/DC		
Life duration	100 000 hours		
Current consumption	45 mA		
Blinking light element	24 V, AC/DC		
Life duration	100 000 hours		
Current consumption	25 mA		
Rotation light element	24 V, AC/DC		
Life duration	100 000 hours		
Current consumption	70 mA		
Starting current	< 0.5 A		
	24 V AC/DC	115 V AC	230 V AC
Flashing light element			
Operating voltage	24 V AC/DC	115 V AC	230 V 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	20mA	35 mA
Starting current	< 0.5 A	< 0.5 A	< 0.5 A
Temperature			
Ambient temperature during operations	-20 to +50 °C		