



Visual indicators



180 Serie

Modular **signal** light



The **modular** signal beacon that created **flexibility** in the signaling world.

Facilitates orders, minimizes warehouse costs and meets the needs of technicians and designers.

8 different mounting, 4 kind of lights, 2 domes with different sizes for each color.

The domes are to be completed with the respective bases.

Technical features



Compliance

Directive CEE 2014/35 Low voltage - Directive CEE 2014/30
Electromagnetic compatibility - Directive CEE 2006/42 Machinery

Conformity to standards

EN 60947.5.1 - EN 60204.1 - EN 60073 - EN 60529 - EN
60068.2.6 - EN 60068-2-27 - EN ISO 7731 - EN 981 - IEC 536

Material

Polycarbonate (PC)

Operating voltage

250 V max.

Protection degree

IP 54 - clamps IP 20, (with bases type 85-AS, CS DS e ES, IP 30)

Homologations

UL, CSA, CE

Protection against electric shock

class II, safety insulation (IEC 536)

Operating temperature

- 20° C + 50° C (12V 40° C)

Resistance to vibrations

2 day min (10-150 Hz) EN 60068-2-6.

Domes colors

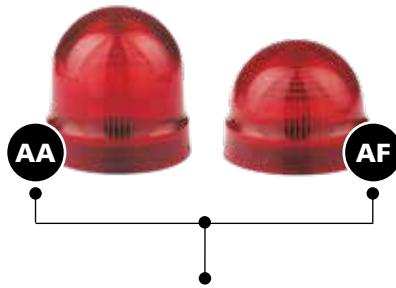


Connections

With screw clamps and wire clamp. Max 1,5 mm².

Modular structure

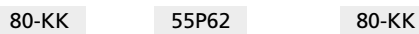
DOMES



BASES



TUBES



More information on accessories are available to p. 131-132 of catalogue

ClickClack
Quick removal unit
Find out more ...

LED beacon with programmable light



Steady or **flashing** light; to change the function, shift the jumper inside.
For use, the indicator must be combined with the bases.

Technical features

Voltage

24 V AC / DC

Current













24 V AC / DC - 40 mA

Frequency of flashing







Approx. 0,8 Hz (50 flashing per minutes)

EN 60073



Color	Codes for ordering		Color	Codes for ordering
	24V DC-AC			24V DC-AC
	AA42-BF	AA42-BL		AF42-BL
	AA43-BF	AA43-BL		AF43-BL
	AA44-BF	AA44-BL		AF44-BL
	AA45-BF	AA45-BL		AF45-BL
	AA46-BF	AA46-BL		AF46-BL
	AA49-BF	AA49-BL		AF49-BL
	Steady light	Flashing light		Flashing light



Color	Codes for ordering	
	24V DC-AC	
	AA642-BF	AA642-BL
	AA643-BF	AA643-BL
	AA644-BF	AA644-BL
	AA645-BF	AA645-BL
	AA646-BF	AA646-BL
	AA649-BF	AA649-BL
	Steady light	Flashing light

Neutral domes

LED beacon with steady light



Module lens and LED light source in the same color. Bulb with bayonet connection type BA 15d.

To use it, it is necessary to combine the indicator with the bases.

Technical features

Voltage







24 V - 115 V - 240 V AC / DC







Current

24 V, > a 50 mA - 115 V, > a 18 mA - 240 V, < 17 mA

Light

with 10 high brightness LEDs

Color	Codes for ordering		
	24 V DC-AC	115 V AC	240 V AC
	AA12424	AA12415	AA12430
	AA13424	AA13415	AA13430
	AA14424	AA14415	AA14430
	AA15424	AA15415	AA15430
	AA16424	AA16415	AA16430
	AA19424	AA19415	AA19430

Color	Codes for ordering		
	24 V DC-AC	115 V AC	240 V AC
	AF12424	AF12415	AF12430
	AF13424	AF13415	AF13430
	AF14424	AF14415	AF14430
	AF15424	AF15415	AF15430
	AF16424	AF16415	AF16430
	AF19424	AF19415	AF19430

High brightness LED beacon with steady light and neutral dome



Neutral domes, colored light source. Bulb with bayonet connection type BA 15d.
For use, the indicator must be combined with the bases.

Technical features

Voltage







24 V - 115 V - 240 V AC / DC

Current

24 V, > a 115 mA - 115 V, > a 18 mA - 240 V, < 17 mA

Light

with 45 high brightness LEDs

Color	Codes for ordering		
	12 - 24 V DC-AC	115 V AC	240 V AC
	AA612H4B	AA612H4F	AA612H4G
	AA613H4B	AA613H4F	AA613H4G
	AA614H4B	AA614H4F	AA614H4G
	AA615H4B	AA615H4F	AA615H4G
	AA616H4B	AA616H4F	AA616H4G
	AA619H4B	AA619H4F	AA619H4G

High brightness LED beacon with steady light



Domes and LED light source in the same color. Bulb with bayonet connection type BA 15d.
For use, the indicator must be combined with the bases.

Technical features

Voltage







24 V - 115 V - 240 V AC / DC

Current

24 V, > a 115 mA - 115 V, > a 18 mA - 240 V, < 17 mA

Light

with 45 high brightness LEDs

Color	Codes for ordering		
	12 - 24 V DC-AC	115 V AC	240 V AC
	AA12H4B	AA12H4F	AA12H4G
	AA13H4B	AA13H4F	AA13H4G
	AA14H4B	AA14H4F	AA14H4G
	AA15H4B	AA15H4F	AA15H4G
	AA16H4B	AA16H4F	AA16H4G
	AA19H4B	AA19H4F	AA19H4G

Incandescent beacon with steady light



Bulb with bayonet connection type **BA 15d** max 5W.
 For use, the indicator must be combined with the bases.







Technical features







Voltage

24 V - 240 V AC / DC

Current

24 V, 210 mA - 115 V, 43 mA - 240 V, 22mA

Color	Codes for ordering		
	24 V DC-AC	115 V AC	240 V AC
	AA12-24	AA12-15	AA12-30
	AA13-24	AA13-15	AA13-30
	AA14-24	AA14-15	AA14-30
	AA15-24	AA15-15	AA15-30
	AA16-24	AA16-15	AA16-30
	AA19-24	AA19-15	AA19-30

Color	Codes for ordering		
	24 V DC-AC	115 V AC	240 V AC
	AF12-24	AF12-15	AF12-30
	AF13-24	AF13-15	AF13-30
	AF14-24	AF14-15	AF14-30
	AF15-24	AF15-15	AF15-30
	AF16-24	AF16-15	AF16-30
	AF19-24	AF19-15	AF19-30

Steady light beacon without bulb



Prepared for bulbs with BA15d max 5 W connection.
For use, the indicator must be combined with the bases.

Technical features

Voltage


24 V - 240 V AC / DC

Current

5W

filament bulbs: 24 V, 210 mA - 115 V, 43 mA - 240 V ,
22mA

LED bulbs: 24 V, > a 115 mA - 115 V , > a 18 mA - 240V
< 17 mA

Color	Codes for ordering	Color	Codes for ordering
	AA12-00		AF12-00
	AA13-00		AF13-00
	AA14-00		AF14-00
	AA15-00		AF15-00
	AA16-00		AF16-00
	AA19-00		AF19-00

Notes

LED beacon with flashing light



Bulb with bayonet connection type **BA 15d** max 5W.
 For use, the indicator must be combined with the bases.

Technical features

Voltage

24 V - 115V - 240 V AC / DC







Current







24 V, < a 50 mA - 115 V, < a 25mA - 230 V, < a 20mA

Frequency of flashing

Approx. 0,8 Hz (50 flashing per minutes)

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Color	Codes for ordering		
	24V DC-AC	115V AC	240V AC
	AA22424	AA22415	AA22430
	AA23424	AA23415	AA23430
	AA24424	AA24415	AA24430
	AA25424	AA25415	AA25430
	AA26424	AA26415	AA26430
	AA29424	AA29415	AA29430

Color	Codes for ordering		
	24V DC-AC	115V AC	240V AC
	AF22424	AF22415	AF22430
	AF23424	AF23415	AF23430
	AF24424	AF24415	AF24430
	AF25424	AF25415	AF25430
	AF26424	AF26415	AF26430
	AF29424	AF29415	AF29430

High brightness LED beacon with flashing light and neutral dome



Bulb with bayonet connection type **BA 15d** .
For use, the indicator must be combined with the bases.

Technical features

Voltage

24 V - 115 V - 240 V AC / DC

Current with LED lamp:







24 V, > a 115 mA - 115 V, > a 18 mA - 240 V, < 17 mA

Light

with 45 high brightness LEDs

Frequency of flashing

Approx. 0,8 Hz (50 flashing per minutes) - EN 60073

Color	Codes for ordering		
	12V - 24V DC-AC	115V AC	240V AC
	AA622H4B	AA622H4F	AA622H4G
	AA623H4B	AA623H4F	AA623H4G
	AA624H4B	AA624H4F	AA624H4G
	AA625H4B	AA625H4F	AA625H4G
	AA626H4B	AA626H4F	AA626H4G
	AA629H4B	AA629H4F	AA629H4G

Notes

High brightness LED beacon with flashing light



Domes and LED light source in the same color. Bulb with bayonet connection type BA 15d.
 For use, the indicator must be combined with the bases.
 Flashing or steady programmable light with internal jumper.

Technical features

Voltage

24 V - 115 V - 240 V AC / DC

Current with LED bulbs:







24 V, > a 115 mA - 115 V, > a 18 mA - 240 V, < 17 mA

Light

with 45 high brightness LEDs

Frequency of flashing

Approx. 0,8 Hz (50 flashing per minutes) - EN 60073

Color	Codes for ordering		
	12V - 24V DC-AC	115V AC	240V AC
	AA22H4B	AA22H4F	AA22H4G
	AA23H4B	AA23H4F	AA23H4G
	AA24H4B	AA24H4F	AA24H4G
	AA25H4B	AA25H4F	AA25H4G
	AA26H4B	AA26H4F	AA26H4G
	AA29H4B	AA29H4F	AA29H4G

Notes

Incandescent beacon with flashing light



Bulb with bayonet connection type **BA 15d** max 5 W.
For use, the indicator must be combined with the bases.

Technical features

Voltage

24 V - 115V - 240 V AC / DC







Current with max 5 W bulbs:







24 V, 145 mA - 115 V, 25 mA - 230 V, 15 mA

Frequency of flashing

Approx. 0,8 Hz (50 flashing per minutes)

EN 60073

Color	Codes for ordering		
	24 V DC-AC	115 V AC	240 V AC
	AA22-24	AA22-15	AA22-30
	AA23-24	AA23-15	AA23-30
	AA24-24	AA24-15	AA24-30
	AA25-24	AA25-15	AA25-30
	AA26-24	AA26-15	AA26-30
	AA29-24	AA29-15	AA29-30

Color	Codes for ordering		
	24 V DC-AC	115 V AC	240 V AC
	AF22-24	AF22-15	AF22-30
	AF23-24	AF23-15	AF23-30
	AF24-24	AF24-15	AF24-30
	AF25-24	AF25-15	AF25-30
	AF26-24	AF26-15	AF26-30
	AF29-24	AF29-15	AF29-30

Flashing light beacon **without bulb**



Prepared for bulbs with BA15d max 5 W connection.
For use, the indicator must be combined with the bases.

Technical features

Voltage


24 V - 240 V AC / DC

Current

5W

filament bulbs: 24 V, 210 mA - 115 V, 43 mA - 240 V ,
22mA

LED bulbs: 24 V, > a 115 mA - 115 V , > a 18 mA - 240
V,< 17 mA

Color	Codes for ordering	Color	Codes for ordering
	AA22-00		AF22-00
	AA23-00		AF23-00
	AA24-00		AF24-00
	AA25-00		AF25-00
	AA26-00		AF26-00
	AA29-00		AF29-00

Notes

- It is a screw that blocks rotation preventing easy removal.
- Removal is only possible with one tool
- The bulb with these features is supplied already assembled



Anti-removal block

Cod. -0Q

Add the code after each selected sector



A simple **rotary movement** allows a **quick installation** without the use of tools.

Simplifies the removal of light detectors after testing.

Reduces the volumes of the machines being shipped.

Saves on packaging and transport costs.

Cod. 80-KK

Quick light signal removal system

ClickClack

Bases and Accessories



Ø 85 mm base

85-A0



Ø 85 mm base for acoustic

85-A5



Shallow base Ø 60 mm

85-B0



Ø 60 mm base

85-E0



Ø 60 mm base for acoustic

85-E5



Base for Ø 22 mm hole mounting

85-D0



Base for Ø 22 mm hole mounting

85-D5



Adapter element

85-C0



Adapter for acoustic element

85-CS



Ø 45 mm polycarbonate base

50-20



Extension pole h 90 mm

88-25



Polycarbonate base and pole

54-90



Metal bases with extension poles for 90° fixing

54MP9



Bases with polycarbonate extension poles

54-10



Polycarbonate extension poles

88-10

Notes
