



Signal Beacon Series 6162

- Explosion protection to
 - CENELEC
 - IEC
- For use in
 - Zone 1 and Zone 2
 - Zone 21 and Zone 22
- Versions
 - rotating mirror beacon
 - rotating beacon
 - beacon with double flash (9+5 J)
 - flashing beacon (15 J)
 - LED-continuous beacon
 - LED-rotating beacon
- Seawater resistant aluminium enclosure with glass dome
- Integrated Ex e connection chamber
- Glass dome available in: signal yellow, red, orange and blue resp. clear
- Available with
 - 20 W / 35 W halogen bulb or as
 - LED-continuous beacon / LED-rotating beacon

STAHL




The R. STAHL Signal Beacon Series 6162 is approved for use in Ex Zones 1, 2, 21 and 22. All models feature an integrated "increased safety" wiring space. The rotating mirror beacons and the rotating beacons have an integrated wear resistant friction gear which creates 180 light signals per minute.

The wear-free LED beacons ensure an extremely high service life of up to 50,000 hours due to the innovative LED technology. In addition to the LED-continuous beacon, a LED-rotating beacon is also available. This LED-rotating beacon is maintenance-free thanks to the absence of any moving components.







The robust, seawater resistant aluminium enclosure ensures IP66 protection for all models.

Zones 1 & 2, 21 & 22




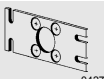
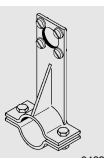
Selection Table							
Version	Rated operational voltage	Lamp wattage	Temperature class	Max. surface temperature	Max. ambient temperature	Order number	Weight kg
		35 W	T3 T3	150 °C 160 °C	40 °C 50 °C	6162/17-62-.11	5.600
	115 V AC, 50 ... 60 Hz	35 W	T3 T3	150 °C 160 °C	40 °C 50 °C	6162/17-32-.11	5.600
	230 V AC, 50 ... 60 Hz	20 W	T4 T4	105 °C 115 °C	40 °C 50 °C	6162/17-11-.11	5.600
		35 W	T3 T3	150 °C 160 °C	40 °C 50 °C	6162/17-12-.11	5.600
 05759E00 Rotating beacon	24 V AC / DC, 50 ... 60 Hz	20 W	T6 T5	80 °C 90 °C	40 °C 50 °C	6162/18-61-.11	5.600
		35 W	T4 T4	105 °C 115 °C	40 °C 50 °C	6162/18-62-.11	5.600
	115 V AC, 50 ... 60 Hz	35 W	T4 T4	105 °C 115 °C	40 °C 50 °C	6162/18-32-.11	5.600
	230 V AC, 50 ... 60 Hz	20 W	T6 T5	80 °C 90 °C	40 °C 50 °C	6162/18-11-.11	5.600
		35 W	T4 T4	105 °C 115 °C	40 °C 50 °C	6162/18-12-.11	5.600
 05759E00 Beacon with double flash	24 V DC	9 + 5 J	T5 T5	85 °C 95 °C	40 °C 50 °C	6162/16-53-.11	5.600
	115 V AC, 50 ... 60 Hz	9 + 5 J	T5 T4	90 °C 100 °C	40 °C 50 °C	6162/16-23-.11	5.600
	230 V AC, 50 ... 60 Hz	9 + 5 J	T5 T5	85 °C 95 °C	40 °C 50 °C	6162/16-13-.11	5.600
 05759E00 Flashing beacon	24 V AC / DC ± 15 %, 50 ... 60 Hz	15 J	T6 T6	75 °C 75 °C	40 °C 50 °C	6162/15-64-.11	5.600
	110 ... 127 V AC, 50 ... 60 Hz	15 J	T5 T4	95 °C 105 °C	40 °C 50 °C	6162/15-44-.11	5.600
	230 ... 240 V AC, 50 ... 60 Hz	15 J	T6 T6	80 °C 80 °C	40 °C 50 °C	6162/15-74-.11	5.600
Order Number Supplement							
Colour of glass	signal yellow					6162/...-1..	
	clear					6162/...-2..	
	red					6162/...-3..	
	blue					6162/...-4..	
	orange					6162/...-6..	
Note	The optical beacons are supplied without mounting accessories and wire guard. These must be ordered separately!						

Selection Table

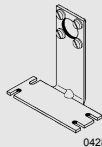



Version	Colour of glass	Rated operational voltage	Lamp wattage	Temperature class	Max. surface temperature	Max. ambient temperature	Order number	Weight kg
 LED-continuous beacon 12628E00	signal yellow	24 V DC	5 W	T6 T6 T5	70 °C 80 °C 90 °C	40 °C 50 °C 60 °C	6162/19-55-111	5.300
		115 ... 230 V AC, 50 ... 60 Hz	5 W	T6 T6 T5	70 °C 80 °C 90 °C	40 °C 50 °C 60 °C	6162/19-95-111	5.300
 LED-continuous beacon 12629E00	red	24 V DC	5 W	T6 T6 T5	70 °C 80 °C 90 °C	40 °C 50 °C 60 °C	6162/19-55-311	5.300
		115 ... 230 V AC, 50 ... 60 Hz	5 W	T6 T6 T5	70 °C 80 °C 90 °C	40 °C 50 °C 60 °C	6162/19-95-311	5.300
 LED-continuous beacon 12696E00	orange	24 V DC	5 W	T6 T6 T5	70 °C 80 °C 90 °C	40 °C 50 °C 60 °C	6162/19-55-611	0.000
		115 ... 230 V AC, 50 ... 60 Hz	5 W	T6 T6 T5	70 °C 80 °C 90 °C	40 °C 50 °C 60 °C	6162/19-95-611	0.000
 LED-rotating beacon 12628E00	signal yellow	24 V DC	3.6 W	T6 T6 T5	70 °C 80 °C 90 °C	40 °C 50 °C 60 °C	6162/18-55-111	5.300
		115 ... 230 V AC, 50 ... 60 Hz	3.6 W	T6 T6 T5	70 °C 80 °C 90 °C	40 °C 50 °C 60 °C	6162/18-95-111	5.300
 LED-rotating beacon 12629E00	red	24 V DC	3.6 W	T6 T6 T5	70 °C 80 °C 90 °C	40 °C 50 °C 60 °C	6162/18-55-311	5.300
		115 ... 230 V AC, 50 ... 60 Hz	3.6 W	T6 T6 T5	70 °C 80 °C 90 °C	40 °C 50 °C 60 °C	6162/18-95-311	5.300
 LED-rotating beacon 12696E00	orange	24 V DC	3.6 W	T6 T6 T5	70 °C 80 °C 90 °C	40 °C 50 °C 60 °C	6162/18-55-611	0.000
		115 ... 230 V AC, 50 ... 60 Hz	3.6 W	T6 T6 T5	70 °C 80 °C 90 °C	40 °C 50 °C 60 °C	6162/18-95-611	0.000
Note	The optical beacons are supplied without mounting accessories and wire guard. These must be ordered separately!							



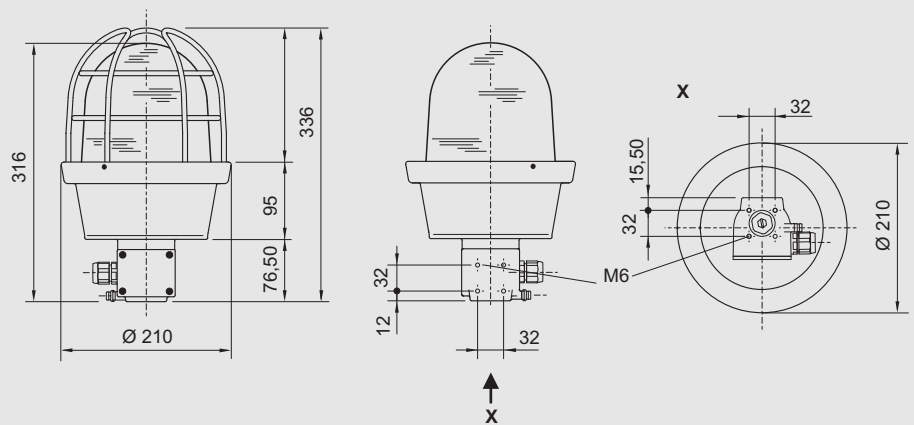
Technical Data	
Explosion protection	
Gas explosion protection	⊕ II 2 G Ex de IIC T*
Dust explosion protection	⊕ II 2 D Ex tD A21 IP 66 T*
	* Temperature classes are dependent on lamp wattage (see selection table)
Certificates	PTB 06 ATEX 1037
Other certificates	IECEX
Ambient temperature	see selection table
Rated operational voltage	see selection table
Lamp wattage	see selection table
Rotation speed	Rotating mirror beacon: 180 rpm Rotating beacon: 60 rpm
Cyclic duration factor	100%
Service life	Rotating mirror beacon 5000 h (drive) Rotating beacon 5000 h (drive) Beacon with double flash 4x10 ⁶ flashes Flashing beacon 4x10 ⁶ flashes LED-rotating beacon max. 50 000 h LED-continuous beacon max. 50 000 h
Material	
Enclosure	Aluminium powder coated, seawater resistant
Dome	Glass, temperature change resistant
Wire guard	Stainless steel
Sealing	NBR O-ring
Protection class	I (acc. to IEC/EN 60598)
Connection cross-section	
L1, N, PE	2.5 mm ² finely-stranded 4 mm ² solid
Cable entries	1 x M20x1,5 (∅ 6 ... 13 mm) 1 x M20x1,5 stopping plug Metal cable gland on request
Degree of protection	IP66

Accessories and Spare Parts				
Designation	Illustration	Description	Order number	Weight kg
Halogen bulb G6.35	 05003E00	20 W / 12 V 2 pc	120933	0.001
		20 W / 24 V 2 pc	120934	0.001
		35 W / 12 V 2 pc	120935	0.001
		35 W / 24 V 2 pc	120936	0.001
Mounting plate	 04279E00	Material: stainless steel, includes mounting screws, for wall or floor mounting	120821	0.170
Pipe clamp	 04223E00	R 2"	120921	0.600
		R 1 1/2"	120920	0.560
		R 1 1/4"	120919	0.520

Accessories and Spare Parts

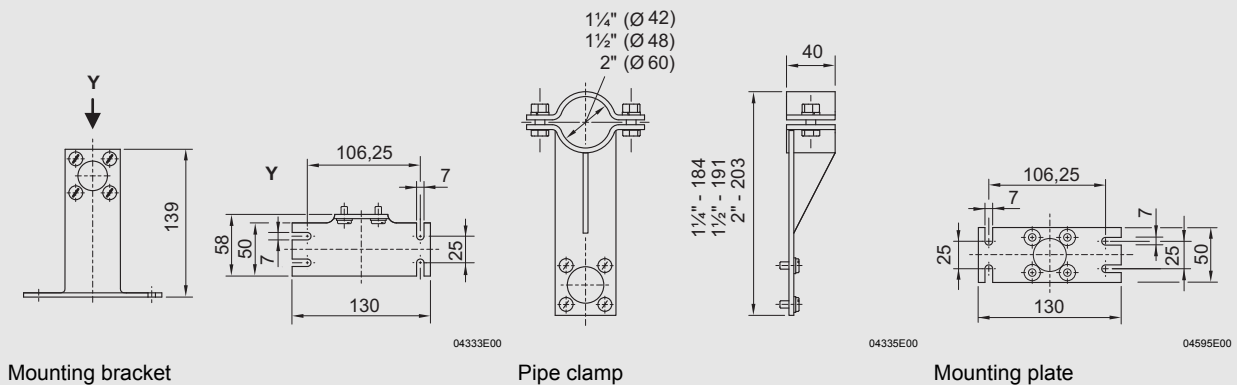
Designation	Illustration	Description	Order number	Weight kg	
Mounting bracket		Material: stainless steel, includes mounting screws	120930	0.450	
Wire guard		Material: stainless steel, includes mounting screws	120917	0.540	
Cable gland		Cable diameter 6 ... 13 mm		--	
		8161/5-M 20-13	1 pc	138518	0.012
		8161/5-M 20-13	50 pc	138454	0.600
Stopping plug		8290/3-M 20 x 1.5	1 pc	143522	0.005
		8290/3-M 20 x 1.5	100 pc	143543	0.600

Dimensional Drawings (All Dimensions in mm) - Subject to Alterations



Signal beacon Series 6162

Mounting accessories



We reserve the right to make alterations to the technical data, weights, dimensions, designs and products available without notice. The illustrations cannot be considered binding.