



09396E00

## Traffic Light Series 6091/2

- For use in
  - Zone 1 and Zone 2
  - Zone 22
- Available with 1, 2 or 3 lenses
- Lenses in
  - red
  - signal yellow
  - green
  - blue
  - clear
- Incandescent lamps  
max. 60 W, 230 V
- 4 m long connection lead

**STAHL**

Series 6091/2 traffic lights are usable for controlling and signalling traffic respectively other movements in explosive gas atmospheres and areas with combustible dust.

# Zones 1 & 2, 22

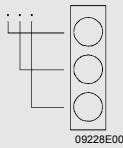
**Selection table**

| Version                        | Description   | Ordering code          | Weight<br>kg |
|--------------------------------|---------------|------------------------|--------------|
| Traffic light Series<br>6091/2 | with 1 lens   | <b>6091/211- .</b>     | 3,900        |
|                                | with 2 lenses | <b>6091/221- . .</b>   | 10,000       |
|                                | with 3 lenses | <b>6091/231- . . .</b> | 8,000        |

**Add. to ordering code**

Lense position

6091 / 231 - . . .



Specify lens colour


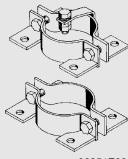




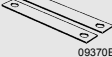
| Clour         | Code |
|---------------|------|
| signal yellow | 1    |
| clear         | 2    |
| red           | 3    |
| blue          | 4    |
| green         | 5    |

Note The optical beacons are supplied without attachment materials and wire guard. These must be ordered separately!

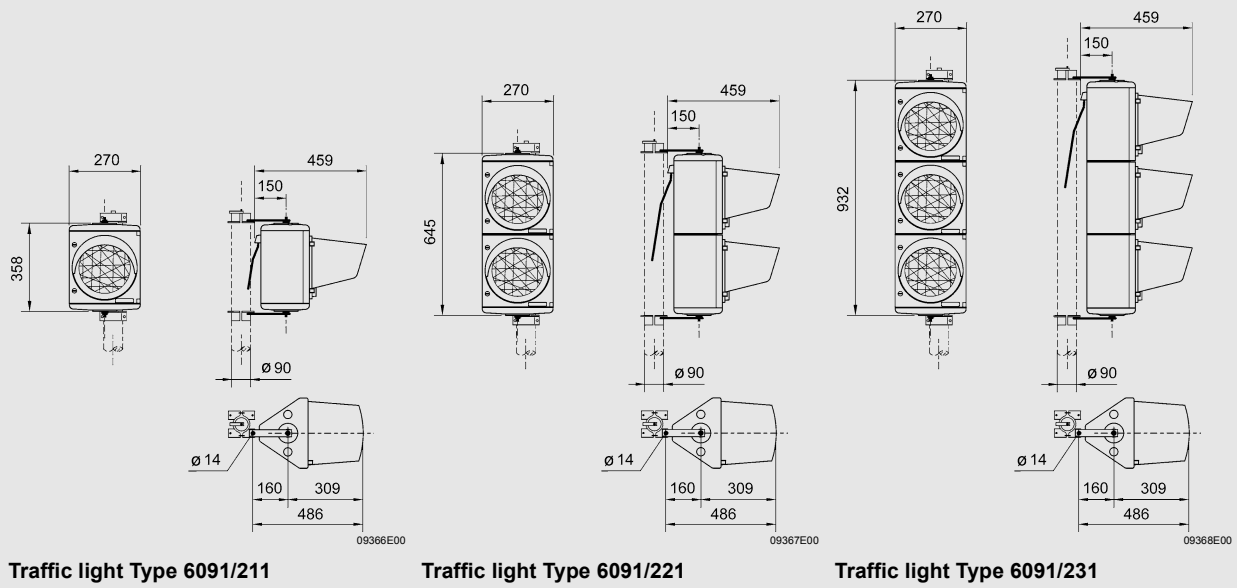
**Technical Data**

|                           |  |  |                            |   |
|---------------------------|--|--|----------------------------|---|
| Explosion protection      |  |  |                            |   |
| Gas explosion protection  | ⊕ II 2 G EEx ed IIC T3 ... T1 <sup>1)</sup><br><sup>1)</sup> see table lamps   |  |                            |   |
| Dust explosion protection | ⊕ II 3 D EEx T <sub>O max.</sub> <sup>1)</sup><br><sup>1)</sup> see table lamps  |  |                            |   |
| Certificates              | ISSeP 02 ATEX 040 X  |  |                            |   |
| Lamps                     | Incandescent lamp<br>E 27  | Rated voltage<br>capacity  | Temperature class<br>[ T ] | max. surface temperature<br>T <sub>O max.</sub> |
|                           | 25 W, 40 W, 60 W   | 230 V to 60 W<br>130 V to 60 W<br>130 V to 40 W<br>24 / 42 V to 60 W | T3<br>T1<br>T2<br>T2       | T 90 °C<br>T 95 °C<br>T 95 °C<br>T 115 °C       |
| Material                  |  |  |                            |   |
| Housing                   | Polycarbonate, black   |  |                            |   |
| Lenses                    | Polycarbonate, Ø 200 mm  |  |                            |   |
| Gasket                    | Neoprene, black  |  |                            |   |
| Reflector                 | Copper, chromium plated  |  |                            |   |
| Sun cover                 | Polyamide  |  |                            |   |
| Cover fixing              | Slotted cheese head screw M5, stainless steel; cover with hinges   |  |                            |   |
| Rated working voltage     | 24 V, 42 V, 130 V, 230 V   |  |                            |   |
| Degree of protection      | IP 54  |  |                            |   |
| Mounting position         | Vertical   |  |                            |   |
| Ambient temperature       | - 20 °C ... + 40 °C  |  |                            |   |
| Terminal                  | Cable H07RN-F, length: 4 m<br>3 x 1,5 mm <sup>2</sup> for 1 lens<br>4 x 1,5 mm <sup>2</sup> for 2 lenses<br>5 x 1,5 mm <sup>2</sup> for 3 lenses |  |                            |   |



| Accessories and spare parts |   |                                   |      |       | Ordering code | Weight<br>kg      |       |
|-----------------------------|---|-----------------------------------|------|-------|---------------|-------------------|-------|
| Designation                 | Illustration  | Description                       |      |       |               |                   |       |
| Incandescent lamp           | <br>04958E00   | 40 W                              | E 27 | 230 V | ▽             | <b>5126220</b>    | 0,044 |
|                             |   | 60 W                              | E 27 | 230 V | ▽             | <b>5126230</b>    | 0,030 |
|                             |   | 40 W                              | E 27 | 130 V |               | <b>4637730</b>    | 0,030 |
|                             |   | 40 W                              | E 27 | 24 V  | ▽             | <b>4616260</b>    | 0,042 |
|                             |   | 60 W                              | E 27 | 24 V  | ▽             | <b>4616270</b>    | 0,042 |
|                             |   | 40 W                              | E 27 | 42 V  | ▽             | <b>4616290</b>    | 0,042 |
|                             |   | 60 W                              | E 27 | 42 V  | ▽             | <b>4616300</b>    | 0,042 |
| Pole mounting set           | <br>09254E00   | For pole mounting, diameter 90 mm |      |       | 1 pair        | <b>6091001490</b> | 1,020 |
| Lenses                      | <br>05433E00  | Colour: signal yellow             |      |       |               | <b>6091002580</b> | 0,585 |
|                             |   | Colour: clear                     |      |       |               | <b>6091004580</b> | 0,585 |
|                             |   | Colour: red                       |      |       |               | <b>6091005580</b> | 0,585 |
|                             |   | Colour: blue                      |      |       |               | <b>6091001580</b> | 0,585 |
|                             |   | Colour: green                     |      |       |               | <b>6091003580</b> | 0,585 |
| Sun cover                   | <br>05434E00 | is supplied with<br>(Spare part)  |      |       |               | <b>6091007580</b> | 0,457 |
| Reflector                   | <br>05432E00 |                                   |      |       |               | <b>6091006580</b> | 0,180 |
| Lampholder                  | <br>09369E00 | E 27 in EEx ed (complete)         |      |       |               | <b>6091001650</b> | 0,300 |
| Mounting rails              | <br>09370E00 | is supplied with<br>(Spare part)  |      |       | 1 pair        | <b>6091001140</b> | 0,210 |

Dimension drawings (all dimensions in mm) – subject to alterations



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.

