



- The latest generation of audible and visual alarm devices
- Ex d/Ex e connection chambers
- Visual solutions with 5 to 21 J XENON and high-power LEDs with various light modes and 4 light channels
- Four output levels can be configured
- Brackets, fixings and protective grid made from stainless steel
- Compliant with EN 54/DNV
- Fastening bracket and protective cage included

E5

## MY R. STAHL FL60D



The **FL60/3 product series** provides visual alarm signals which can be used to alert, warn or draw attention to equipment malfunction/start-up or any number of safety-related issues in hazardous areas. The preconfigured light patterns (LED) provide a wide range of internationally standardised signal patterns, whereby four channels are available for each, enabling flexible use. The signalling devices meet the requirements of EN 54 and DNV for extremely challenging ambient conditions.

|                 | IECEx / ATEX |   |   |    |    |    |
|-----------------|--------------|---|---|----|----|----|
| Zone            | 0            | 1 | 2 | 20 | 21 | 22 |
| Installation in |              | • | • |    | •  | •  |

| Selection Table        |                              |                              |                                  |          |         |
|------------------------|------------------------------|------------------------------|----------------------------------|----------|---------|
| 5 J xenon flash tubes  |                              |                              |                                  |          |         |
| Lamp                   | AC rated operational voltage | Rated operational voltage DC | Product Type                     | Art. No. | Weight  |
| Amber                  | 110 ... 240 V                | 133 ... 272 V                | FL60/324-P0111-00AW30-ST000-0000 | 322523   | 5.61 kg |
|                        | –                            | 12 ... 27.2 V                | FL60/324-D0111-00AW30-ST000-0000 | 312356   | 5.51 kg |
| Blue                   | 110 ... 240 V                | 133 ... 272 V                | FL60/324-P0111-00BW30-ST000-0000 | 324130   | 5.61 kg |
|                        | –                            | 12 ... 27.2 V                | FL60/324-D0111-00BW30-ST000-0000 | 319349   | 5.51 kg |
| Clear                  | 110 ... 240 V                | 133 ... 272 V                | FL60/324-P0111-00CW30-ST000-0000 | 323016   | 5.61 kg |
|                        | –                            | 12 ... 27.2 V                | FL60/324-D0111-00CW30-ST000-0000 | 319350   | 5.51 kg |
| Green                  | 110 ... 240 V                | 133 ... 272 V                | FL60/324-P0111-00GW30-ST000-0000 | 324129   | 5.61 kg |
|                        | –                            | 12 ... 27.2 V                | FL60/324-D0111-00GW30-ST000-0000 | 319401   | 5.51 kg |
| Red                    | 110 ... 240 V                | 133 ... 272 V                | FL60/324-P0111-00RW30-ST000-0000 | 322465   | 5.61 kg |
|                        | –                            | 12 ... 27.2 V                | FL60/324-D0111-00RW30-ST000-0000 | 312376   | 5.51 kg |
| LED dome light fitting |                              |                              |                                  |          |         |
| Lamp                   | AC rated operational voltage | Rated operational voltage DC | Product Type                     | Art. No. | Weight  |
| Amber                  | 110 ... 240 V                | 133 ... 272 V                | FL60/326-P0801-00AW30-ST000-0000 | 318586   | 5.66 kg |
|                        | –                            | 12 ... 27.2 V                | FL60/326-D0801-00AW30-ST000-0000 | 312357   | 5.56 kg |
| Blue                   | 110 ... 240 V                | 133 ... 272 V                | FL60/326-P0801-00BW30-ST000-0000 | 319408   | 5.66 kg |
|                        | –                            | 12 ... 27.2 V                | FL60/326-D0801-00BW30-ST000-0000 | 319406   | 5.56 kg |
| Clear                  | 110 ... 240 V                | 133 ... 272 V                | FL60/326-P0801-00CW30-ST000-0000 | 319409   | 5.66 kg |
|                        | –                            | 12 ... 27.2 V                | FL60/326-D0801-00CW30-ST000-0000 | 318829   | 5.56 kg |

## Selection Table

| LED dome light fitting |                              |                              |                                  |          |         |
|------------------------|------------------------------|------------------------------|----------------------------------|----------|---------|
| Lamp                   | AC rated operational voltage | Rated operational voltage DC | Product Type                     | Art. No. | Weight  |
| Green                  | 110 ... 240 V                | 133 ... 272 V                | FL60/326-P0801-00GW30-ST000-0000 | 319410   | 5.66 kg |
|                        | –                            | 12 ... 27.2 V                | FL60/326-D0801-00GW30-ST000-0000 | 319407   | 5.56 kg |
| Red                    | 110 ... 240 V                | 133 ... 272 V                | FL60/326-P0801-00RR30-ST000-0000 | 319421   | 5.66 kg |
|                        | –                            | 12 ... 27.2 V                | FL60/326-D0801-00RR30-ST000-0000 | 312372   | 5.56 kg |

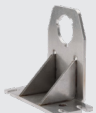
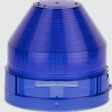
Additional gas groups, flash energy, voltage and illuminated section colour variants are available; please use the selection table online at [r-stahl.com](http://r-stahl.com). MY R. STAHL FL60D

## Technical Data

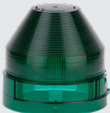
| Variant                                   | FL60/326 LED dome light fitting                | FL60/326 5 J xenon flash tubes                 |
|-------------------------------------------|------------------------------------------------|------------------------------------------------|
| Explosion Protection                      |                                                |                                                |
| IECEx gas explosion protection            | Ex db eb IIC T6 / T4 Gb                        | Ex db eb IIC T4 Gb                             |
| IECEx dust explosion protection           | Ex tb IIIC T80 °C / T100 °C Db                 | Ex tb IIIC T100 °C Db                          |
| ATEX gas explosion protection             | Ⓔ II 2 G Ex db eb IIC T6 / T4 Gb               | Ⓔ II 2 G Ex db eb IIC T4 Gb                    |
| ATEX dust explosion protection            | Ⓔ II 2 D Ex tb IIIC T80 °C / T100 °C Db        | Ⓔ II 2 D Ex tb IIIC T100 °C Db                 |
| Certificates                              | ATEX (BVIS), IECEx (BVIS)                      | ATEX (BVIS), IECEx (BVIS)                      |
| Declaration of conformity                 | ATEX (EUK)                                     | ATEX (EUK)                                     |
| Ambient Conditions                        |                                                |                                                |
| Storage temperature                       | -60 °C ... 70 °C                               | -60 °C ... 70 °C                               |
| Ambient temperature                       | -40 °C ... 40 °C (T6)<br>-40 °C ... 70 °C (T4) | -40 °C ... 60 °C (T4)                          |
| Mechanical Data                           |                                                |                                                |
| IP degree of protection (IEC 60598)       | IP66/67                                        | IP66/67                                        |
| Enclosure material                        | Aluminium, powder-coated, Seawater-resistant   | Aluminium, powder-coated, Seawater-resistant   |
| Material glass dome                       | Polycarbonate, prismatic                       | Polycarbonate, prismatic                       |
| Wire guard material                       | Stainless steel                                | Stainless steel                                |
| Max. solid connection terminals           | 4 mm²                                          | 4 mm²                                          |
| Max. finely stranded connection terminals | 2.5 mm²                                        | 2.5 mm²                                        |
| Enclosure colour                          | red, similar to RAL 3020                       | red, similar to RAL 3020                       |
| Mounting / Installation                   |                                                |                                                |
| Mounting part material                    | Stainless steel                                | Stainless steel                                |
| Connection type                           | Push in                                        | Push in                                        |
| Components                                |                                                |                                                |
| Drilled holes                             | 2 x M20 + 2 x M25                              | 2 x M20 + 2 x M25                              |
| Cable glands and entries                  | 1 x M20 Ø 4 ... 13 mm<br>1 x M25 Ø 7 ... 17 mm | 1 x M20 Ø 4 ... 13 mm<br>1 x M25 Ø 7 ... 17 mm |
| Stopping plugs                            | 2x M20 + 2x M25                                | 2x M20 + 2x M25                                |
| Stopping plug material                    | Polyamide, black                               | Polyamide, black                               |

You can find more technical data online at [r-stahl.com](http://r-stahl.com). MY R. STAHL FL60D

| Accessories                                                                       |                                                                                                                                                                                |          |        |  |
|-----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------|--|
| Figure                                                                            | Description                                                                                                                                                                    | Art. No. | Weight |  |
| Metal cable gland                                                                 |                                                                                                                                                                                |          |        |  |
|  | Ex d and Ex e cable gland with compound for all types of armoured cables (SWA, wire-braid, tape) (nickel-plated brass)<br>Type 20PX2K, M20 x 1.5                               | 109428   | 240 g  |  |
|                                                                                   | Ex d and Ex e cable glands with RapidEx sealing system for all types of unarmoured cables and wire-braid-armoured cables (nickel-plated brass)<br>Type 20PX2K-REX, M20 x 1.5   | 246649   | 240 g  |  |
|  | Ex d and Ex e cable glands with compound for all types of unarmoured cables and wire-braid-armoured cables (nickel-plated brass)<br>Type 20PXSS2K, M20 x 1.5                   | 109441   | 200 g  |  |
|                                                                                   | Ex d and Ex e cable glands with RapidEx sealing system for all types of unarmoured cables and wire-braid-armoured cables (nickel-plated brass)<br>Type 20PXSS2K-REX, M20 x 1.5 | 246605   | 200 g  |  |
| Plastic cable gland                                                               |                                                                                                                                                                                |          |        |  |
|  | 8161/7-M20-1304, Ex e<br>Polyamide, M20 x 1,5 mm, 4 – 13 mm<br>Lot size 50 pieces                                                                                              | 239156   | 10 g   |  |
| Stopping plug                                                                     |                                                                                                                                                                                |          |        |  |
|  | 8290/3-M20<br>Plastic, M20 x 1.5<br>Lot size 1 piece                                                                                                                           | 143522   | 7 g    |  |
|                                                                                   | 8290/3-M20<br>Plastic, M20 x 1.5<br>Lot size 100 pieces                                                                                                                        | 285773   | 500 g  |  |

| Spare Parts                                                                         |                                         |          |         |  |
|-------------------------------------------------------------------------------------|-----------------------------------------|----------|---------|--|
| Figure                                                                              | Description                             | Art. No. | Weight  |  |
| Mounting accessories                                                                |                                         |          |         |  |
|  | L-bracket, stainless steel 1.4404       | 319271   | 655 g   |  |
|  | U-bracket, stainless steel 1.4404       | 319280   | 1.55 kg |  |
| Protective cage                                                                     |                                         |          |         |  |
|  | Protective cage, stainless steel 1.4404 | 319272   | 555 g   |  |
| Textured lens                                                                       |                                         |          |         |  |
|  | amber                                   | 319273   | 485 g   |  |
|  | blue                                    | 319274   | 485 g   |  |

## Spare Parts

| Figure                                                                            | Description             | Art. No. | Weight |
|-----------------------------------------------------------------------------------|-------------------------|----------|--------|
| Textured lens                                                                     |                         |          |        |
|  | green                   | 319275   | 485 g  |
|  | clear                   | 319276   | 485 g  |
|  | red                     | 319278   | 485 g  |
| Lamp                                                                              |                         |          |        |
|  | Xenon tube PCB 5 joules | 319281   | -      |

Approvals of the cable glands must be observed.

## Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations

