

# FGR2-EX

## EXPLOSION PROOF EQUIPMENT

### ROTARY GEAR LIMIT SWITCH

#### General characteristics

|                     |               |                                                                                     |
|---------------------|---------------|-------------------------------------------------------------------------------------|
| Case                | base<br>cover | aluminium<br>antistatic plastic                                                     |
| Ambient temperature |               | -20 ... +70°C (-4 ... +192°F)                                                       |
| Direct ratio        |               | 1:12 - 1:33 - 1:50 - 1:100 - 1:200                                                  |
| Protection class    |               | IP65                                                                                |
| Shaft type          |               | stainless steel mounted on ball bearings<br>double overhang shaft version available |
| Fixing type         |               | base (see options)                                                                  |
| Microswitches       |               | up to 6                                                                             |
| Cam block           |               | self-lubricating with transparent support for easier cam viewing                    |
| Cable entry         |               | 2 × M16                                                                             |
| Options             |               | 3 cam shape options<br>20 pinion options<br>front fixing (with optional flange)     |

#### Marking



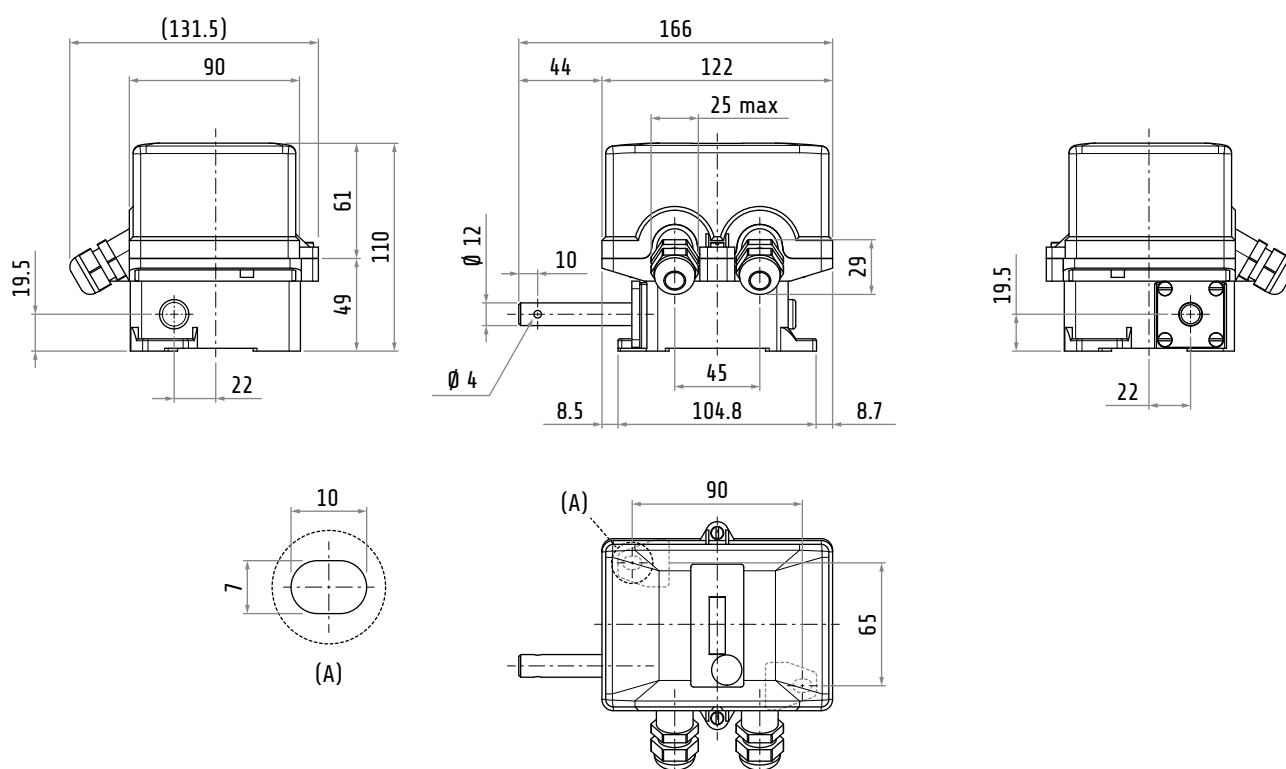
#### Microswitch technical data

|                                   |                  |                                         |
|-----------------------------------|------------------|-----------------------------------------|
| Minimum life expectancy           | mechanical       | 1 × 10 <sup>6</sup> cycles              |
|                                   | electrical       | 5 × 10 <sup>5</sup> cycles              |
| Rated thermal current             | I <sub>th</sub>  | 8 A                                     |
| Rated insulation voltage          | U <sub>i</sub>   | 250 V                                   |
| Rated impulse withstand voltage   | U <sub>imp</sub> | 1500 V                                  |
| Rated operating current           | ie               | resistive load 8 A - 250 V              |
|                                   |                  | inductive load 1 A - 250 V (cosφ = 0.6) |
| Pollution degree                  |                  | 2                                       |
| Protection against electric shock |                  | class II                                |

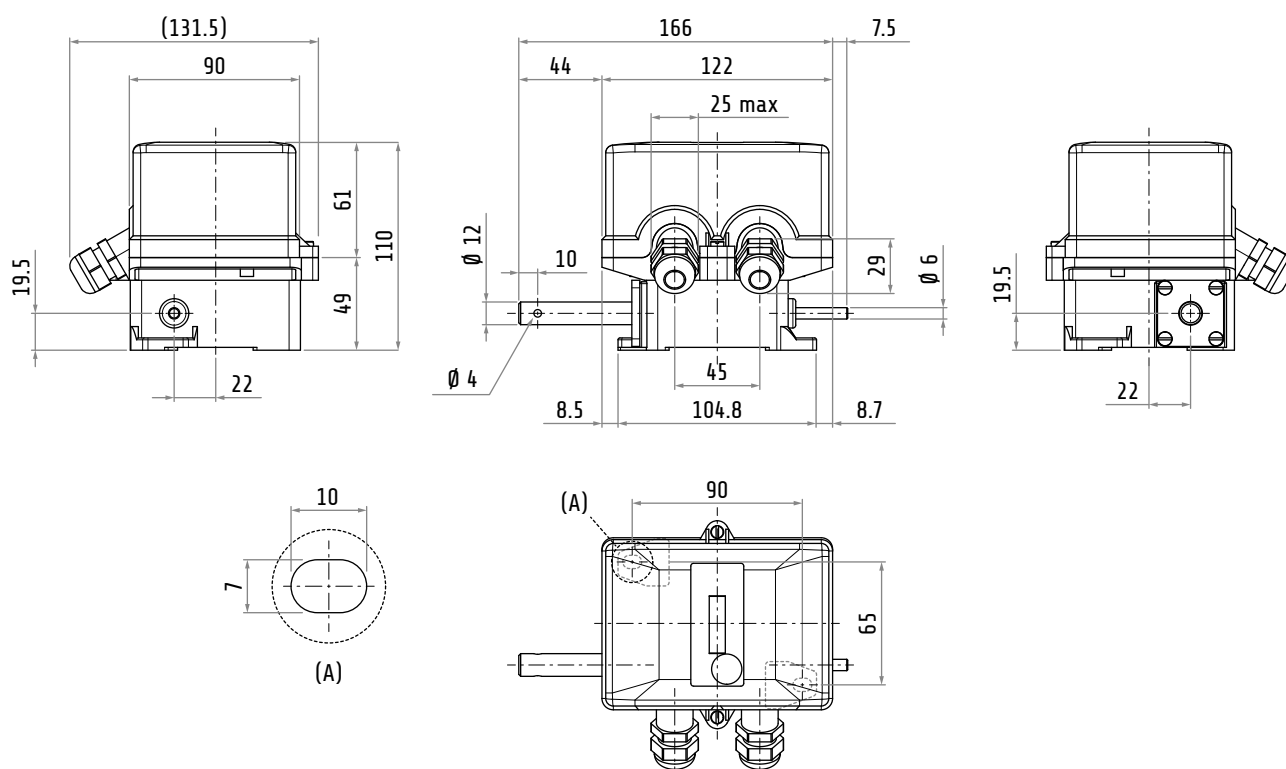


# DIMENSIONS

## Base fixing



## Rear shaft



## Front fixing with optional flange

