

## **Sensors and Detectors**

**Motion Detector** in a particularly robust, weatherproof industrial design with an adjustable radiation field from 0 – 6 m, especially for industrial doors

Mounting bracket for secure and torsion-free installation of the motion detector

### **Alternative:**

**Motion Detector** in a particularly robust, weatherproof industrial design with an adjustable radiation field of 0 – 6 m, especially for industrial doors with an integrated infrared presence detector for detecting moving and stationary objects directly in front of the door system (max. installation height: 5m)

Mounting bracket for secure and torsion-free installation of the motion detector

## **Laser Scanner "EFA-SCAN®"**

The sensor creates a three-dimensional monitored area with individually adjustable, geometric and dynamic detection areas on site. As a result, it offers maximum safety for people, transported goods and the door itself against accidents and damage. In principle, two EFA-SCAN® are required for the areas "in front" and "behind" the door in order to completely replace all previously used combinations of conventional pulse generators and spatial security devices or to significantly surpass them in terms of effectiveness. The EFA-SCAN generates two uninterrupted areas: a security area in the immediate vicinity of the door and - further away - a detection area. In this zone, the EFA-SCAN® sensor works like a state-of-the-art command device to open the door. The speed and direction of the detected objects are calculated. Reliable direction detection ensures that only objects moving directly towards the door can trigger an opening impulse. Objects moving parallel to, or away from the door are masked out, so that "accidental" opening is effectively prevented.

Supply, assemble and install (incl. electrical installation with final functional test) of:

**EFAFLEX LASER SCANNER EFA-SCAN®**, with direction-detecting detection zone and static safety zone, integrated in the door frame. Available for the door types high-speed spiral door, high-speed turbo door and high-speed turbo roller door

### **Alternatively:**

**EFAFLEX EFA-SCAN® Laser Scanner**, with direction-detecting detection zone and static safety zone, factory-installed in a separate bollard, standard bollard height: H = 400mm, steel parts powder-coated to RAL 1003, "signal yellow"

### **Alternatively:**

**EFAFLEX EFA-SCAN® Laser Scanner**, with direction-detecting detection zone and static safety zone, for on-site attachment options (according to EFAFLEX specifications).

### **On request additionally:**

**Additional bollard**, e.g. B. as pure collision protection, powder-coated according to RAL 1003 "signal yellow", standard bollard height H= 400 mm.