

# Safety Light Curtain F3SG-RA

## Advanced Safety Light Curtain in Rugged, IP67 Rated Housing

- Rugged, IP67 rated housing resists washdown
- Space-saving slim profile of 35x35 mm (1.37 in.)
- Scan E F code with smart phone for local language support and troubleshooting guide
- Built-in muting; requires no external muting controller
- All models designed for global use. PNP/NPN output selection by DIP switch
- Resolution: 14 mm (finger protection) and 30 mm (hand and arm protection) models
- Cascaded designs possible: 3 segments, up to 255 beams
- “Smart click” 1/8 turn quick connect M12 cables: for fast installation and proper torque to ensure IP67 connection
- 14mm resolution up to 10.0 m (32 ft.) range in 160 to 2080 mm (6.3 to 81.9 inch) protective heights
- 30mm resolution up to 20.0 m (65 ft.) range in 190 to 2510 mm (7.3 to 98.7 inch) protective heights



## Online Multilanguage Support



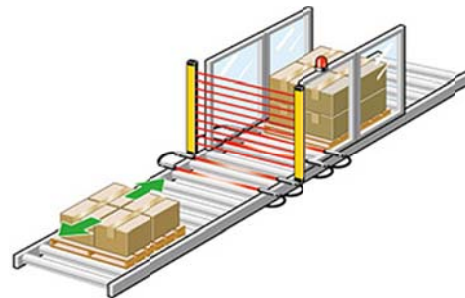
To access troubleshooting support for safety light curtain errors in your local language use your tablet or smartphone to scan a QR code sticker that can be applied to the machine.

Also accessible by computer, operators can check the error details in 8 languages and download manuals from a dedicated website.

The interactive diagnostics ask about error indicator color, indicator flashing frequency and DIP switch settings to thoroughly analyze the cause of an error.

Languages include English, Spanish, French, Chinese, Korean, Japanese, German, and Italian.

## Built-in Muting and Blanking



Built-in muting to pass through materials into the hazard zone requires no external muting controller. The blanking function disables specific beams of the safety light curtain. A warning zone can be set to alert people before they enter a danger zone using single or series-connected units when horizontally mounted.

## Reduced Wiring Work



“Smart click” 1/8 turn quick-connect M12 cables allow fast installation and proper torque to ensure IP67 connection.

## Ordering Information

### Main Units

#### Safety Light Curtain

##### Finger protection

| Model           | Number of beams | Protective height (mm) |
|-----------------|-----------------|------------------------|
| F3SG-4RA0160-14 | 15              | 160                    |
| F3SG-4RA0240-14 | 23              | 240                    |
| F3SG-4RA0320-14 | 31              | 320                    |
| F3SG-4RA0400-14 | 39              | 400                    |
| F3SG-4RA0480-14 | 47              | 480                    |
| F3SG-4RA0560-14 | 55              | 560                    |
| F3SG-4RA0640-14 | 63              | 640                    |
| F3SG-4RA0720-14 | 71              | 720                    |
| F3SG-4RA0800-14 | 79              | 800                    |
| F3SG-4RA0880-14 | 87              | 880                    |
| F3SG-4RA0960-14 | 95              | 960                    |
| F3SG-4RA1040-14 | 103             | 1,040                  |
| F3SG-4RA1120-14 | 111             | 1,120                  |
| F3SG-4RA1200-14 | 119             | 1,200                  |
| F3SG-4RA1280-14 | 127             | 1,280                  |
| F3SG-4RA1360-14 | 135             | 1,360                  |
| F3SG-4RA1440-14 | 143             | 1,440                  |
| F3SG-4RA1520-14 | 151             | 1,520                  |
| F3SG-4RA1600-14 | 159             | 1,600                  |
| F3SG-4RA1680-14 | 167             | 1,680                  |
| F3SG-4RA1760-14 | 175             | 1,760                  |
| F3SG-4RA1840-14 | 183             | 1,840                  |
| F3SG-4RA1920-14 | 191             | 1,920                  |
| F3SG-4RA2000-14 | 199             | 2,000                  |
| F3SG-4RA2080-14 | 207             | 2,080                  |

##### Hand and arm protection

| Model           | Number of beams | Protective height (mm) |
|-----------------|-----------------|------------------------|
| F3SG-4RA0190-30 | 8               | 190                    |
| F3SG-4RA0270-30 | 12              | 270                    |
| F3SG-4RA0350-30 | 16              | 350                    |
| F3SG-4RA0430-30 | 20              | 430                    |
| F3SG-4RA0510-30 | 24              | 510                    |
| F3SG-4RA0590-30 | 28              | 590                    |
| F3SG-4RA0670-30 | 32              | 670                    |
| F3SG-4RA0750-30 | 36              | 750                    |
| F3SG-4RA0830-30 | 40              | 830                    |
| F3SG-4RA0910-30 | 44              | 910                    |
| F3SG-4RA0990-30 | 48              | 990                    |
| F3SG-4RA1070-30 | 52              | 1,070                  |
| F3SG-4RA1150-30 | 56              | 1,150                  |
| F3SG-4RA1230-30 | 60              | 1,230                  |
| F3SG-4RA1310-30 | 64              | 1,310                  |
| F3SG-4RA1390-30 | 68              | 1,390                  |
| F3SG-4RA1470-30 | 72              | 1,470                  |
| F3SG-4RA1550-30 | 76              | 1,550                  |
| F3SG-4RA1630-30 | 80              | 1,630                  |
| F3SG-4RA1710-30 | 84              | 1,710                  |
| F3SG-4RA1790-30 | 88              | 1,790                  |
| F3SG-4RA1870-30 | 92              | 1,870                  |
| F3SG-4RA1950-30 | 96              | 1,950                  |
| F3SG-4RA2030-30 | 100             | 2,030                  |
| F3SG-4RA2110-30 | 104             | 2,110                  |
| F3SG-4RA2190-30 | 108             | 2,190                  |
| F3SG-4RA2270-30 | 112             | 2,270                  |
| F3SG-4RA2350-30 | 116             | 2,350                  |
| F3SG-4RA2430-30 | 120             | 2,430                  |
| F3SG-4RA2510-30 | 124             | 2,510                  |