

Model Number Legend

Safety Light Curtain F3SG-SR

F3SG-4SR - - -

(1) (2) (3) (4) (5) (6)

* Ifor details on the IP69K model, refer to page 104.

| No. | Classification | Code | Meaning | Remarks |
|-----|----------------------|-------------|---|--|
| (1) | ESPE | 4 | Type 4 | |
| (2) | Function | A | Advanced | |
| | | B | Standard | |
| (3) | Protective height | 0160 - 2000 | Protective height for finger protection (mm) | |
| | | 0160 - 2480 | Protective height for hand protection (mm) | |
| | | 0240 - 1520 | Protective height for arm/leg protection (mm) | |
| | | 0280 - 0920 | Protective height for body protection (mm) | |
| (4) | Detection capability | 14 | Finger protection (Detection capability: 14-mm dia.) | |
| | | 25 | Hand protection (Detection capability: 25-mm dia.) | |
| | | 45 | Arm/leg protection (Detection capability: 45-mm dia.) | |
| | | 85 | Body protection (Detection capability: 85-mm dia.) | |
| (5) | Option 1 | Blank | Set of emitter and receiver | |
| | | L | Emitter | |
| | | D | Receiver | |
| (6) | Option 2 | Blank | | |
| | | F | Flexible height model | Finger protection and hand protection: Protective heights are available in increments of 40 mm up to 1 m |

Note: 1. The purpose of this model number legend is to provide understanding of the meaning of specifications from the model number.

Models are not available for all combinations of code numbers.

See *Ordering Information* on page 38 for details.

2. The bracket is not included. Order brackets sold separately.

3. Connection cables are not included with the safety light curtain. Order cables sold separately.

Safety Multi-Light Beam F3SG-PG

F3SG-4PG A □□□□ - □□ - □ - □
 (1) (2) (3) (4) (5) (6) (7)

| No. | Classification | Code | Meaning | Remarks | |
|-----|------------------------------|-------|---|---|--|
| (1) | ESPE | 4 | Type 4 | | |
| (2) | Function | A | Advanced | | |
| (3) | Product length | 0670 | Product length (mm) | | |
| | | 0970 | | | |
| | | 1070 | | | |
| | | 1370 | | | |
| (4) | Number of beams/ beam gap | 2 | 2 beams/500 mm | Product length: 670 mm | |
| | | 3 * | 3 beams/400 mm | Product length: 970 mm * Perimeter guarding passive mirror | |
| | | 4 | 4 beams/300 or 400 mm | Product length: 1,070 or 1,370 mm | |
| (5) | Application | A | Perimeter access guarding | | |
| | | L | Perimeter guarding long range | | |
| | | C | Perimeter guarding passive mirror | | |
| (6) | Option 1 | Blank | Set of emitter and receiver or set of emitter/receiver and passive mirror | | |
| | | L | Emitter | | |
| | | D | Receiver | | |
| | | LD | Emitter/receiver | | Perimeter guarding passive mirror only |
| | | M | Passive mirror | | Perimeter guarding passive mirror only |
| (7) | Option 2 | Blank | | | |

- Note:**
- The purpose of this model number legend is to provide understanding of the meaning of specifications from the model number. Models are not available for all combinations of code numbers. See *Ordering Information* on page 40 for details.
 - The bracket is not included. Order brackets sold separately.
 - Connection cables are not included with the safety multi-light beam. Order cables sold separately.

F3SG-SR/PG

F3SG-SR-K

F3SG-SR and F3SG-PG
Common to

Ordering Information

Main Units

Safety Light Curtain F3SG-SR

* Emitters and receivers will be available separately.

Example 1) Emitter: F3SG-4SRA0160-14-L, receiver: F3SG-4SRA0160-14-D

Example 2) Receiver (flexible height model) only: F3SG-4SRA0200-14-D-F

Finger protection (Detection capability: 14-mm dia.)

| Number of beams | Protective height (mm) | Advanced | Standard |
|-----------------|------------------------|--------------------|--------------------|
| | | Model | Model |
| 15 | 160 | F3SG-4SRA0160-14 | F3SG-4SRB0160-14 |
| 19 | 200 | F3SG-4SRA0200-14-F | F3SG-4SRB0200-14-F |
| 23 | 240 | F3SG-4SRA0240-14 | F3SG-4SRB0240-14 |
| 27 | 280 | F3SG-4SRA0280-14-F | F3SG-4SRB0280-14-F |
| 31 | 320 | F3SG-4SRA0320-14 | F3SG-4SRB0320-14 |
| 35 | 360 | F3SG-4SRA0360-14-F | F3SG-4SRB0360-14-F |
| 39 | 400 | F3SG-4SRA0400-14 | F3SG-4SRB0400-14 |
| 43 | 440 | F3SG-4SRA0440-14-F | F3SG-4SRB0440-14-F |
| 47 | 480 | F3SG-4SRA0480-14 | F3SG-4SRB0480-14 |
| 51 | 520 | F3SG-4SRA0520-14-F | F3SG-4SRB0520-14-F |
| 55 | 560 | F3SG-4SRA0560-14 | F3SG-4SRB0560-14 |
| 59 | 600 | F3SG-4SRA0600-14-F | F3SG-4SRB0600-14-F |
| 63 | 640 | F3SG-4SRA0640-14 | F3SG-4SRB0640-14 |
| 67 | 680 | F3SG-4SRA0680-14-F | F3SG-4SRB0680-14-F |
| 71 | 720 | F3SG-4SRA0720-14-F | F3SG-4SRB0720-14-F |
| 75 | 760 | F3SG-4SRA0760-14-F | F3SG-4SRB0760-14-F |
| 79 | 800 | F3SG-4SRA0800-14 | F3SG-4SRB0800-14 |
| 83 | 840 | F3SG-4SRA0840-14-F | F3SG-4SRB0840-14-F |
| 87 | 880 | F3SG-4SRA0880-14-F | F3SG-4SRB0880-14-F |
| 91 | 920 | F3SG-4SRA0920-14-F | F3SG-4SRB0920-14-F |
| 95 | 960 | F3SG-4SRA0960-14-F | F3SG-4SRB0960-14-F |
| 99 | 1,000 | F3SG-4SRA1000-14 | F3SG-4SRB1000-14 |
| 119 | 1,200 | F3SG-4SRA1200-14 | F3SG-4SRB1200-14 |
| 139 | 1,400 | F3SG-4SRA1400-14 | F3SG-4SRB1400-14 |
| 159 | 1,600 | F3SG-4SRA1600-14 | F3SG-4SRB1600-14 |
| 179 | 1,800 | F3SG-4SRA1800-14 | F3SG-4SRB1800-14 |
| 199 | 2,000 | F3SG-4SRA2000-14 | F3SG-4SRB2000-14 |

Hand protection (Detection capability: 25-mm dia.)

| Number of beams | Protective height (mm) | Advanced | Standard |
|-----------------|------------------------|--------------------|--------------------|
| | | Model | Model |
| 8 | 160 | F3SG-4SRA0160-25 | F3SG-4SRB0160-25 |
| 10 | 200 | F3SG-4SRA0200-25-F | F3SG-4SRB0200-25-F |
| 12 | 240 | F3SG-4SRA0240-25 | F3SG-4SRB0240-25 |
| 14 | 280 | F3SG-4SRA0280-25-F | F3SG-4SRB0280-25-F |
| 16 | 320 | F3SG-4SRA0320-25 | F3SG-4SRB0320-25 |
| 18 | 360 | F3SG-4SRA0360-25-F | F3SG-4SRB0360-25-F |
| 20 | 400 | F3SG-4SRA0400-25 | F3SG-4SRB0400-25 |
| 22 | 440 | F3SG-4SRA0440-25-F | F3SG-4SRB0440-25-F |
| 24 | 480 | F3SG-4SRA0480-25 | F3SG-4SRB0480-25 |
| 26 | 520 | F3SG-4SRA0520-25-F | F3SG-4SRB0520-25-F |
| 28 | 560 | F3SG-4SRA0560-25 | F3SG-4SRB0560-25 |
| 30 | 600 | F3SG-4SRA0600-25-F | F3SG-4SRB0600-25-F |
| 32 | 640 | F3SG-4SRA0640-25 | F3SG-4SRB0640-25 |
| 34 | 680 | F3SG-4SRA0680-25-F | F3SG-4SRB0680-25-F |
| 36 | 720 | F3SG-4SRA0720-25 | F3SG-4SRB0720-25 |
| 38 | 760 | F3SG-4SRA0760-25-F | F3SG-4SRB0760-25-F |
| 40 | 800 | F3SG-4SRA0800-25 | F3SG-4SRB0800-25 |
| 42 | 840 | F3SG-4SRA0840-25-F | F3SG-4SRB0840-25-F |
| 44 | 880 | F3SG-4SRA0880-25 | F3SG-4SRB0880-25 |
| 46 | 920 | F3SG-4SRA0920-25-F | F3SG-4SRB0920-25-F |
| 48 | 960 | F3SG-4SRA0960-25 | F3SG-4SRB0960-25 |
| 50 | 1,000 | F3SG-4SRA1000-25-F | F3SG-4SRB1000-25-F |
| 52 | 1,040 | F3SG-4SRA1040-25 | F3SG-4SRB1040-25 |
| 56 | 1,120 | F3SG-4SRA1120-25 | F3SG-4SRB1120-25 |
| 60 | 1,200 | F3SG-4SRA1200-25 | F3SG-4SRB1200-25 |
| 64 | 1,280 | F3SG-4SRA1280-25 | F3SG-4SRB1280-25 |
| 68 | 1,360 | F3SG-4SRA1360-25 | F3SG-4SRB1360-25 |
| 72 | 1,440 | F3SG-4SRA1440-25 | F3SG-4SRB1440-25 |
| 76 | 1,520 | F3SG-4SRA1520-25 | F3SG-4SRB1520-25 |
| 80 | 1,600 | F3SG-4SRA1600-25 | F3SG-4SRB1600-25 |
| 84 | 1,680 | F3SG-4SRA1680-25 | F3SG-4SRB1680-25 |
| 88 | 1,760 | F3SG-4SRA1760-25 | F3SG-4SRB1760-25 |
| 92 | 1,840 | F3SG-4SRA1840-25 | F3SG-4SRB1840-25 |
| 96 | 1,920 | F3SG-4SRA1920-25 | F3SG-4SRB1920-25 |
| 104 | 2,080 | F3SG-4SRA2080-25 | F3SG-4SRB2080-25 |
| 114 | 2,280 | F3SG-4SRA2280-25 | F3SG-4SRB2280-25 |
| 124 | 2,480 | F3SG-4SRA2480-25 | F3SG-4SRB2480-25 |

F3SG-SR/PG

F3SG-SR-K

Common to
F3SG-SR and F3SG-PG

F3SG-SR/PG

Arm/Leg protection (Detection capability: 45-mm dia.)

| Number of beams | Protective height (mm) | Advanced | Standard |
|-----------------|------------------------|------------------|------------------|
| | | Model | Model |
| 6 | 240 | F3SG-4SRA0240-45 | F3SG-4SRB0240-45 |
| 10 | 400 | F3SG-4SRA0400-45 | F3SG-4SRB0400-45 |
| 14 | 560 | F3SG-4SRA0560-45 | F3SG-4SRB0560-45 |
| 18 | 720 | F3SG-4SRA0720-45 | F3SG-4SRB0720-45 |
| 22 | 880 | F3SG-4SRA0880-45 | F3SG-4SRB0880-45 |
| 30 | 1,200 | F3SG-4SRA1200-45 | F3SG-4SRB1200-45 |
| 38 | 1,520 | F3SG-4SRA1520-45 | F3SG-4SRB1520-45 |

Body protection (Detection capability: 85-mm dia.)

| Number of beams | Protective height (mm) | Advanced | Standard |
|-----------------|------------------------|------------------|------------------|
| | | Model | Model |
| 4 | 280 | F3SG-4SRA0280-85 | F3SG-4SRB0280-85 |
| 6 | 440 | F3SG-4SRA0440-85 | F3SG-4SRB0440-85 |
| 8 | 600 | F3SG-4SRA0600-85 | F3SG-4SRB0600-85 |
| 10 | 760 | F3SG-4SRA0760-85 | F3SG-4SRB0760-85 |
| 12 | 920 | F3SG-4SRA0920-85 | F3SG-4SRB0920-85 |

Safety Multi-Light Beam F3SG-PG

* Emitters and receivers will be available separately.

Example 1) Emitter: F3SG-4PGA0670-2A-L, receiver: F3SG-4PGA0670-2A-D

Example 2) Emitter/receiver: F3SG-4PGA0970-3C-LD, passive mirror: F3SG-4PGA0970-3C-M

Perimeter access guarding (Beam gap: 300 to 500 mm)

| Number of beams | Beam gap (mm) | Product length (mm) | Advanced |
|-----------------|---------------|---------------------|------------------|
| | | | Model |
| 2 | 500 | 670 | F3SG-4PGA0670-2A |
| 3 | 400 | 970 | F3SG-4PGA0970-3A |
| 4 | 300 | 1,070 | F3SG-4PGA1070-4A |
| 4 | 400 | 1,370 | F3SG-4PGA1370-4A |

Perimeter guarding long range (Beam gap: 300 to 500 mm)

| Number of beams | Beam gap (mm) | Product length (mm) | Advanced |
|-----------------|---------------|---------------------|------------------|
| | | | Model |
| 2 | 500 | 670 | F3SG-4PGA0670-2L |
| 3 | 400 | 970 | F3SG-4PGA0970-3L |
| 4 | 300 | 1,070 | F3SG-4PGA1070-4L |
| 4 | 400 | 1,370 | F3SG-4PGA1370-4L |

Perimeter guarding passive mirror (Beam gap: 300 to 500 mm)

| Number of beams | Beam gap (mm) | Product length (mm) | Advanced |
|-----------------|---------------|---------------------|------------------|
| | | | Model |
| 2 | 500 | 670 | F3SG-4PGA0670-2C |
| 4 | 300 | 1,070 | F3SG-4PGA1070-4C |
| 4 | 400 | 1,370 | F3SG-4PGA1370-4C |