



## SAFETY LIGHT CURTAINS

EOS

SAFEGATE

ADMIRAL

# EOS4 - EOS2

## COMPACT SAFETY LIGHT CURTAINS AND GRIDS

One simple product range to cover most of today's industrial applications.

-  Safety light curtains: finger, hand and body detection
-  Safety light grids: multi-beam (2, 3 or 4 beams for access control)
-  Unique features and a comprehensive range of accessories
-  Standard versions with automatic restart
-  Integrated function versions with selectable automatic/manual restart
-  Operating range up to 20 m, protected height up to 2,2 m



## CHARACTERISTICS

| STANDARD (A)   |  | INTEGRATED FUNCTIONS (X)  |  | INTEGRATED FUNCTIONS (X) FOR CASCADE CONNECTION                   |
|--|--|---|--|---|
| EOS4 A / AT / ATL<br>EOS2 A / AT / ATL   | EOS4 AH (high range)   | EOS4 X / XT / XTL<br>EOS2 X / XT / XTL  | EOS4 XH (high range)   | EOS4 XM / XS / XS2<br>EOS2 XM / XS / XS2                          |
| Selectable operating range:<br>0 ... 4 m - low, 0 ... 12 m - high                              | Selectable operating range:<br>0 ... 10 m - low<br>3 ... 20 m - high | Selectable operating range:<br>0 ... 4 m - low, 0 ... 12 m - high   | Selectable operating range:<br>0 ... 10 m - low<br>3 ... 20 m - high | Selectable operating range:<br>0 ... 4 m - low, 0 ... 12 m - high |
| EOS4 A with 14 mm resolution models:<br>0 ... 3 m - low, 1 ... 6 m - high                      |  | EOS4 X with 14 mm resolution models:<br>0 ... 3 m - low, 1 ... 6 m - high   |  |   |
| ATL versions:<br>0 ... 2 m - low, 0 ... 6 m - high   |  | XTL versions:<br>0 ... 2 m - low, 0 ... 6 m - high  |  |   |
| Automatic Start/Restart  |  | Selectable manual or automatic Start/Restart  |  |   |
| External relay monitoring (EDM) through external interfaces, i.e. AD SR1, Mosaic or safety PLC |  | Integrated Feedback input for external relay monitoring (EDM).<br>When a relay output is needed, the use of a AD SR0 is recommended |  |   |

2 safety static outputs PNP with auto-test protected against short circuits and overloads

## CABLES NEEDED

| EOS4 and EOS2 standard versions (A)  | EOS4 and EOS2 with integrated functions versions (X) |
|--------------------------------------|--|
| Emitter: M12 5-pole (CDx)            | Emitter: M12 5-pole (CDx)                            |
| Receiver: M12 5-pole (CDx)           | Receiver: M12 8-pole (C8Dx)                          |
| Master, Slave 2 and Slave connection | M12 5-pole (CDx)                                     |

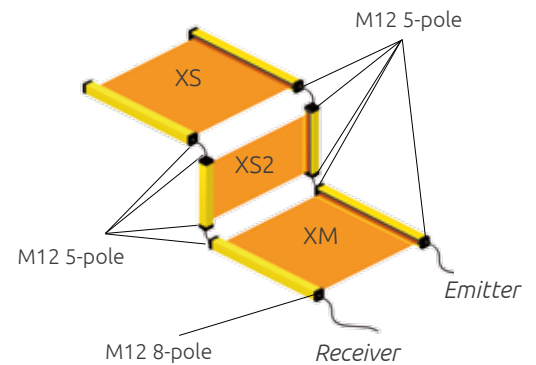


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### EOS4 - EOS2 MASTER/SLAVE FOR CASCADE CONNECTION



Master/Slave versions for cascade connection of two or three curtains



### EOS4 - EOS2 WTF / WTHF

WITH WATERTIGHT ENCLOSURE, FOOD-GRADED, IP69K CERTIFIED



Available also with integrated heater

Special models with watertight enclosure allow light curtains and light grids to be used in harsh working environments, with exposure to water and steam. The use of inert and non-toxic components allows WTF and WTHF enclosures to be used in the Food & Beverage industry, where frequent washdown procedures are requested.



Material resistance test according to cleaning procedures for food and beverage industry.



The IP69K rated compact WTF/WTHF cylindrical enclosure (56 mm diameter) can withstand up to 80 bar of water jets pressure at the temperature of +80 °C. The enclosure incorporates a valve to drain humidity and to avoid condensation.

WTF: watertight  
WTHF: watertight + integrated heater

### EOS4 - EOS2 T VERSIONS

RESISTANT TO HIGH VIBRATIONS



Special versions resistant to high vibrations for applications on presses and in the textile industry. Available as Standard version (AT), with Integrated Functions (XT) and with reduced sensibility for low range applications (ATL, XTL).

These versions are able to maintain beams alignment also in the presence of strong mechanical stresses and vibrations according to EN 60068-2-6:2009. The use of Vibration Dampers (SAV) is mandatory.

### EOS4 ATEX

SAFETY LIGHT CURTAINS FOR EXPLOSIVE ATMOSPHERE



Ideal for access protection in environments with potentially explosive atmosphere.

- Typo 4, SIL 3, PL e safety light curtains
- Classified Zone 2, 22 ATEX (Directive 2014/34/UE)
- Gas: II 3G Ex nA IIC T6 Gc, Dust: II 3D Ex tc IIIC T 60 °C Dc



# EOS4 - EOS2

## PART NUMBERS

### EOS4 - STANDARD VERSIONS (A) AND WITH INTEGRATED FUNCTIONS (X)

#### Resolution 14 mm

|                       |               |   |               |               |               |               |               |                |                |                |                |                |                |                |
|-----------------------|---------------|---|---------------|---------------|---------------|---------------|---------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| A versions            | EOS4<br>151 A | - | EOS4<br>301 A | EOS4<br>451 A | EOS4<br>601 A | EOS4<br>751 A | EOS4<br>901 A | EOS4<br>1051 A | EOS4<br>1201 A | EOS4<br>1351 A | EOS4<br>1501 A | EOS4<br>1651 A | EOS4<br>1801 A | EOS4<br>1951 A |
| Part number           | 1310000       | - | 1310001       | 1310002       | 1310003       | 1310004       | 1310005       | 1310006        | 1310007        | 1310008        | 1310009        | 1310070        | 1310071        | 1310711        |
| X versions            | EOS4<br>151 X | - | EOS4<br>301 X | EOS4<br>451 X | EOS4<br>601 X | EOS4<br>751 X | EOS4<br>901 X | EOS4<br>1051 X | EOS4<br>1201 X | EOS4<br>1351 X | EOS4<br>1501 X | EOS4<br>1651 X | EOS4<br>1801 X | EOS4<br>1951 X |
| Part number           | 1310010       | - | 1310011       | 1310012       | 1310013       | 1310014       | 1310015       | 1310016        | 1310017        | 1310018        | 1310019        | 1310072        | 1310073        | 1310712        |
| Protected height (mm) | 160           |   | 310           | 460           | 610           | 760           | 910           | 1060           | 1210           | 1360           | 1510           | 1660           | 1810           | 1960           |
| Number of beams       | 15            |   | 30            | 45            | 60            | 75            | 90            | 105            | 120            | 135            | 150            | 165            | 180            | 195            |
| Overall height (mm)   | 213           |   | 363           | 513           | 663           | 813           | 963           | 1113           | 1263           | 1413           | 1563           | 1713           | 1863           | 2013           |

#### Resolution 20 mm

|                       |                |   |                |                |                |                |                |                 |                 |                 |                 |                 |                 |                 |
|-----------------------|----------------|---|----------------|----------------|----------------|----------------|----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| AH versions           | EOS4<br>152 AH | - | EOS4<br>302 AH | EOS4<br>452 AH | EOS4<br>602 AH | EOS4<br>752 AH | EOS4<br>902 AH | EOS4<br>1052 AH | EOS4<br>1202 AH | EOS4<br>1352 AH | EOS4<br>1502 AH | EOS4<br>1652 AH | EOS4<br>1802 AH | EOS4<br>1952 AH |
| Part number           | 1310150        | - | 1310151        | 1310152        | 1310153        | 1310154        | 1310155        | 1310156         | 1310157         | 1310158         | 1310159         | 1310180         | 1310181         | 1310715         |
| XH versions           | EOS4<br>152 XH | - | EOS4<br>302 XH | EOS4<br>452 XH | EOS4<br>602 XH | EOS4<br>752 XH | EOS4<br>902 XH | EOS4<br>1052 XH | EOS4<br>1202 XH | EOS4<br>1352 XH | EOS4<br>1502 XH | EOS4<br>1652 XH | EOS4<br>1802 XH | EOS4<br>1952 XH |
| Part number           | 1310160        | - | 1310161        | 1310162        | 1310163        | 1310164        | 1310165        | 1310166         | 1310167         | 1310168         | 1310169         | 1310182         | 1310183         | 1310716         |
| Protected height (mm) | 160            |   | 310            | 460            | 610            | 760            | 910            | 1060            | 1210            | 1360            | 1510            | 1660            | 1810            | 1960            |
| Number of beams       | 15             |   | 30             | 45             | 60             | 75             | 90             | 105             | 120             | 135             | 150             | 165             | 180             | 195             |
| Overall height (mm)   | 213            |   | 363            | 513            | 663            | 813            | 963            | 1113            | 1263            | 1413            | 1563            | 1713            | 1863            | 2013            |

#### Resolution 30 mm

|                       |                |               |                |                |                |                |                |                 |                 |                 |                 |                 |                 |                 |                 |                 |
|-----------------------|----------------|---------------|----------------|----------------|----------------|----------------|----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| A versions            | EOS4<br>153 A  | EOS4<br>253 A | EOS4<br>303 A  | EOS4<br>453 A  | EOS4<br>603 A  | EOS4<br>753 A  | EOS4<br>903 A  | EOS4<br>1053 A  | EOS4<br>1203 A  | EOS4<br>1353 A  | EOS4<br>1503 A  | EOS4<br>1653 A  | EOS4<br>1803 A  | EOS4<br>1953 A  | EOS4<br>2103 A  | EOS4<br>2253 A  |
| Part number           | 1310200        | 1311205       | 1310201        | 1310202        | 1310203        | 1310204        | 1310205        | 1310206         | 1310207         | 1310208         | 1310209         | 1310270         | 1310271         | 1310719         | 1310720         | 1310721         |
| X versions            | EOS4<br>153 X  | EOS4<br>253 X | EOS4<br>303 X  | EOS4<br>453 X  | EOS4<br>603 X  | EOS4<br>753 X  | EOS4<br>903 X  | EOS4<br>1053 X  | EOS4<br>1203 X  | EOS4<br>1353 X  | EOS4<br>1503 X  | EOS4<br>1653 X  | EOS4<br>1803 X  | EOS4<br>1953 X  | EOS4<br>2103 X  | EOS4<br>2253 X  |
| Part number           | 1310210        | 1311200       | 1310211        | 1310212        | 1310213        | 1310214        | 1310215        | 1310216         | 1310217         | 1310218         | 1310219         | 1310272         | 1310273         | 1310733         | 1310734         | 1310735         |
| AH versions           | EOS4<br>153 AH | -             | EOS4<br>303 AH | EOS4<br>453 AH | EOS4<br>603 AH | EOS4<br>753 AH | EOS4<br>903 AH | EOS4<br>1053 AH | EOS4<br>1203 AH | EOS4<br>1353 AH | EOS4<br>1503 AH | EOS4<br>1653 AH | EOS4<br>1803 AH | EOS4<br>1953 AH | EOS4<br>2103 AH | EOS4<br>2253 AH |
| Part number           | 1310250        | -             | 1310251        | 1310252        | 1310253        | 1310254        | 1310255        | 1310256         | 1310257         | 1310258         | 1310259         | 1310280         | 1310281         | 1310736         | 1310737         | 1310738         |
| XH versions           | EOS4<br>153 XH | -             | EOS4<br>303 XH | EOS4<br>453 XH | EOS4<br>603 XH | EOS4<br>753 XH | EOS4<br>903 XH | EOS4<br>1053 XH | EOS4<br>1203 XH | EOS4<br>1353 XH | EOS4<br>1503 XH | EOS4<br>1653 XH | EOS4<br>1803 XH | EOS4<br>1953 XH | EOS4<br>2103 XH | EOS4<br>2253 XH |
| Part number           | 1310260        | -             | 1310261        | 1310262        | 1310263        | 1310264        | 1310265        | 1310266         | 1310267         | 1310268         | 1310269         | 1310282         | 1310283         | 1310739         | 1310740         | 1310741         |
| Protected height (mm) | 160            | 260           | 310            | 460            | 610            | 760            | 910            | 1060            | 1210            | 1360            | 1510            | 1660            | 1810            | 1960            | 2110            | 2260            |
| Number of beams       | 8              | 13            | 16             | 23             | 31             | 38             | 46             | 53              | 61              | 68              | 76              | 83              | 91              | 98              | 106             | 113             |
| Overall height (mm)   | 213            | 313           | 363            | 513            | 663            | 813            | 963            | 1113            | 1263            | 1413            | 1563            | 1713            | 1863            | 2013            | 2163            | 2313            |

#### Resolution 40 mm

|                       |                |               |                |                |                |                |                |                 |                 |                 |                 |                 |                 |                 |                 |                 |
|-----------------------|----------------|---------------|----------------|----------------|----------------|----------------|----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| A versions            | EOS4<br>154 A  | EOS4<br>254 A | EOS4<br>304 A  | EOS4<br>454 A  | EOS4<br>604 A  | EOS4<br>754 A  | EOS4<br>904 A  | EOS4<br>1054 A  | EOS4<br>1204 A  | EOS4<br>1354 A  | EOS4<br>1504 A  | EOS4<br>1654 A  | EOS4<br>1804 A  | EOS4<br>1954 A  | EOS4<br>2104 A  | EOS4<br>2254 A  |
| Part number           | 1310300        | 1311202       | 1310301        | 1310302        | 1310303        | 1310304        | 1310305        | 1310306         | 1310307         | 1310308         | 1310309         | 1310370         | 1310371         | 1310723         | 1310724         | 1310725         |
| X versions            | EOS4<br>154 X  | EOS4<br>254 X | EOS4<br>304 X  | EOS4<br>454 X  | EOS4<br>604 X  | EOS4<br>754 X  | EOS4<br>904 X  | EOS4<br>1054 X  | EOS4<br>1204 X  | EOS4<br>1354 X  | EOS4<br>1504 X  | EOS4<br>1654 X  | EOS4<br>1804 X  | EOS4<br>1954 X  | EOS4<br>2104 X  | EOS4<br>2254 X  |
| Part number           | 1310310        | 1311209       | 1310311        | 1310312        | 1310313        | 1310314        | 1310315        | 1310316         | 1310317         | 1310318         | 1310319         | 1310372         | 1310373         | 1310751         | 1310752         | 1310753         |
| AH versions           | EOS4<br>154 AH | -             | EOS4<br>304 AH | EOS4<br>454 AH | EOS4<br>604 AH | EOS4<br>754 AH | EOS4<br>904 AH | EOS4<br>1054 AH | EOS4<br>1204 AH | EOS4<br>1354 AH | EOS4<br>1504 AH | EOS4<br>1654 AH | EOS4<br>1804 AH | EOS4<br>1954 AH | EOS4<br>2104 AH | EOS4<br>2254 AH |
| Part number           | 1310350        | -             | 1310351        | 1310352        | 1310353        | 1310354        | 1310355        | 1310356         | 1310357         | 1310358         | 1310359         | 1310380         | 1310381         | 1310754         | 1310755         | 1310756         |
| XH versions           | EOS4<br>154 XH | -             | EOS4<br>304 XH | EOS4<br>454 XH | EOS4<br>604 XH | EOS4<br>754 XH | EOS4<br>904 XH | EOS4<br>1054 XH | EOS4<br>1204 XH | EOS4<br>1354 XH | EOS4<br>1504 XH | EOS4<br>1654 XH | EOS4<br>1804 XH | EOS4<br>1954 XH | EOS4<br>2104 XH | EOS4<br>2254 XH |
| Part number           | 1310360        | -             | 1310361        | 1310362        | 1310363        | 1310364        | 1310365        | 1310366         | 1310367         | 1310368         | 1310369         | 1310382         | 1310383         | 1310757         | 1310758         | 1310759         |
| Protected height (mm) | 160            | 260           | 310            | 460            | 610            | 760            | 910            | 1060            | 1210            | 1360            | 1510            | 1660            | 1810            | 1960            | 2110            | 2260            |
| Number of beams       | 6              | 9             | 11             | 16             | 21             | 26             | 31             | 36              | 41              | 46              | 51              | 56              | 61              | 66              | 71              | 76              |
| Overall height (mm)   | 213            | 313           | 363            | 513            | 663            | 813            | 963            | 1113            | 1263            | 1413            | 1563            | 1713            | 1863            | 2013            | 2163            | 2313            |





### Resolution 50 mm

|                       |                |                |                |                |                |                |                 |                 |                 |                 |                 |                 |                 |                 |                 |
|-----------------------|----------------|----------------|----------------|----------------|----------------|----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| A versions            | EOS4<br>155 A  | EOS4<br>305 A  | EOS4<br>455 A  | EOS4<br>605 A  | EOS4<br>755 A  | EOS4<br>905 A  | EOS4<br>1055 A  | EOS4<br>1205 A  | EOS4<br>1355 A  | EOS4<br>1505 A  | EOS4<br>1655 A  | EOS4<br>1805 A  | EOS4<br>1955 A  | EOS4<br>2105 A  | EOS4<br>2255 A  |
| Part number           | 1310400        | 1310401        | 1310402        | 1310403        | 1310404        | 1310405        | 1310406         | 1310407         | 1310408         | 1310409         | 1310470         | 1310471         | 1310769         | 1310770         | 1310761         |
| X versions            | EOS4<br>155 X  | EOS4<br>305 X  | EOS4<br>455 X  | EOS4<br>605 X  | EOS4<br>755 X  | EOS4<br>905 X  | EOS4<br>1055 X  | EOS4<br>1205 X  | EOS4<br>1355 X  | EOS4<br>1505 X  | EOS4<br>1655 X  | EOS4<br>1805 X  | EOS4<br>1955 X  | EOS4<br>2105 X  | EOS4<br>2255 X  |
| Part number           | 1310410        | 1310411        | 1310412        | 1310413        | 1310414        | 1310415        | 1310416         | 1310417         | 1310418         | 1310419         | 1310472         | 1310473         | 1310772         | 1310773         | 1310774         |
| AH versions           | EOS4<br>155 AH | EOS4<br>305 AH | EOS4<br>455 AH | EOS4<br>605 AH | EOS4<br>755 AH | EOS4<br>905 AH | EOS4<br>1055 AH | EOS4<br>1205 AH | EOS4<br>1355 AH | EOS4<br>1505 AH | EOS4<br>1655 AH | EOS4<br>1805 AH | EOS4<br>1955 AH | EOS4<br>2105 AH | EOS4<br>2255 AH |
| Part number           | 1310450        | 1310451        | 1310452        | 1310453        | 1310454        | 1310455        | 1310456         | 1310457         | 1310458         | 1310459         | 1310480         | 1310481         | 1310775         | 1310776         | 1310777         |
| XH versions           | EOS4<br>155 XH | EOS4<br>305 XH | EOS4<br>455 XH | EOS4<br>605 XH | EOS4<br>755 XH | EOS4<br>905 XH | EOS4<br>1055 XH | EOS4<br>1205 XH | EOS4<br>1355 XH | EOS4<br>1505 XH | EOS4<br>1655 XH | EOS4<br>1805 XH | EOS4<br>1955 XH | EOS4<br>2105 XH | EOS4<br>2255 XH |
| Part number           | 1310460        | 1310461        | 1310462        | 1310463        | 1310464        | 1310465        | 1310466         | 1310467         | 1310468         | 1310469         | 1310482         | 1310483         | 1310778         | 1310779         | 1310780         |
| Protected height (mm) | 160            | 310            | 460            | 610            | 760            | 910            | 1060            | 1210            | 1360            | 1510            | 1660            | 1810            | 1960            | 2110            | 2260            |
| Number of beams       | 4              | 8              | 12             | 16             | 20             | 24             | 28              | 32              | 36              | 40              | 44              | 48              | 52              | 54              | 60              |
| Overall height (mm)   | 213            | 363            | 513            | 663            | 813            | 963            | 1113            | 1263            | 1413            | 1563            | 1713            | 1863            | 2013            | 2163            | 2313            |



### Resolution 90 mm

|                       |   |                |                |                |                |                |                 |                 |                 |                 |                 |                 |                 |                 |                 |
|-----------------------|---|----------------|----------------|----------------|----------------|----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| A versions            | - | EOS4<br>309 A  | EOS4<br>459 A  | EOS4<br>609 A  | EOS4<br>759 A  | EOS4<br>909 A  | EOS4<br>1059 A  | EOS4<br>1209 A  | EOS4<br>1359 A  | EOS4<br>1509 A  | EOS4<br>1659 A  | EOS4<br>1809 A  | EOS4<br>1959 A  | EOS4<br>2109 A  | EOS4<br>2259 A  |
| Part number           | - | 1310501        | 1310502        | 1310503        | 1310504        | 1310505        | 1310506         | 1310507         | 1310508         | 1310509         | 1310570         | 1310571         | 1310790         | 1310791         | 1310792         |
| X versions            | - | EOS4<br>309 X  | EOS4<br>459 X  | EOS4<br>609 X  | EOS4<br>759 X  | EOS4<br>909 X  | EOS4<br>1059 X  | EOS4<br>1209 X  | EOS4<br>1359 X  | EOS4<br>1509 X  | EOS4<br>1659 X  | EOS4<br>1809 X  | EOS4<br>1959 X  | EOS4<br>2109 X  | EOS4<br>2259 X  |
| Part number           | - | 1310511        | 1310512        | 1310513        | 1310514        | 1310515        | 1310516         | 1310517         | 1310518         | 1310519         | 1310572         | 1310573         | 1310793         | 1310794         | 1310795         |
| AH versions           | - | EOS4<br>309 AH | EOS4<br>459 AH | EOS4<br>609 AH | EOS4<br>759 AH | EOS4<br>909 AH | EOS4<br>1059 AH | EOS4<br>1209 AH | EOS4<br>1359 AH | EOS4<br>1509 AH | EOS4<br>1659 AH | EOS4<br>1809 AH | EOS4<br>1959 AH | EOS4<br>2109 AH | EOS4<br>2259 AH |
| Part number           | - | 1310551        | 1310552        | 1310553        | 1310554        | 1310555        | 1310556         | 1310557         | 1310558         | 1310559         | 1310580         | 1310581         | 1310795         | 1310796         | 1310797         |
| XH versions           | - | EOS4<br>309 XH | EOS4<br>459 XH | EOS4<br>609 XH | EOS4<br>759 XH | EOS4<br>909 XH | EOS4<br>1059 XH | EOS4<br>1209 XH | EOS4<br>1359 XH | EOS4<br>1509 XH | EOS4<br>1659 XH | EOS4<br>1809 XH | EOS4<br>1959 XH | EOS4<br>2109 XH | EOS4<br>2259 XH |
| Part number           | - | 1310561        | 1310562        | 1310563        | 1310564        | 1310565        | 1310566         | 1310567         | 1310568         | 1310569         | 1310582         | 1310583         | 1310798         | 1310799         | 1310800         |
| Protected height (mm) | - | 310            | 460            | 610            | 760            | 910            | 1060            | 1210            | 1360            | 1510            | 1660            | 1810            | 1960            | 2110            | 2260            |
| Number of beams       | - | 4              | 6              | 8              | 10             | 12             | 14              | 16              | 18              | 20              | 22              | 24              | 26              | 28              | 30              |
| Overall height (mm)   | - | 363            | 513            | 663            | 813            | 963            | 1113            | 1263            | 1413            | 1563            | 1713            | 1863            | 2013            | 2163            | 2313            |

## EOS2 - STANDARD VERSIONS (A) AND WITH INTEGRATED FUNCTIONS (X)



### Resolution 30 mm

|                       |               |               |               |               |               |               |               |                |                |                |                |                |                |                |                |                |
|-----------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| A versions            | EOS2<br>153 A | EOS2<br>253 A | EOS2<br>303 A | EOS2<br>453 A | EOS2<br>603 A | EOS2<br>753 A | EOS2<br>903 A | EOS2<br>1053 A | EOS2<br>1203 A | EOS2<br>1353 A | EOS2<br>1503 A | EOS2<br>1653 A | EOS2<br>1803 A | EOS2<br>1953 A | EOS2<br>2103 A | EOS2<br>2253 A |
| Part number           | 1320200       | 1321205       | 1320201       | 1320202       | 1320203       | 1320204       | 1320205       | 1320206        | 1320207        | 1320208        | 1320209        | 1320270        | 1320271        | 1320719        | 1320720        | 1320721        |
| X versions            | EOS2<br>153 X | EOS2<br>253 X | EOS2<br>303 X | EOS2<br>453 X | EOS2<br>603 X | EOS2<br>753 X | EOS2<br>903 X | EOS2<br>1053 X | EOS2<br>1203 X | EOS2<br>1353 X | EOS2<br>1503 X | EOS2<br>1653 X | EOS2<br>1803 X | EOS2<br>1953 X | EOS2<br>2103 X | EOS2<br>2253 X |
| Part number           | 1320210       | 1321200       | 1320211       | 1320212       | 1320213       | 1320214       | 1320215       | 1320216        | 1320217        | 1320218        | 1320219        | 1320272        | 1320273        | 1320733        | 1320734        | 1320735        |
| Protected height (mm) | 160           | 260           | 310           | 460           | 610           | 760           | 910           | 1060           | 1210           | 1360           | 1510           | 1660           | 1810           | 1960           | 2110           | 2260           |
| Number of beams       | 8             | 13            | 16            | 23            | 31            | 38            | 46            | 53             | 61             | 68             | 76             | 83             | 91             | 98             | 106            | 113            |
| Overall height (mm)   | 213           | 313           | 363           | 513           | 663           | 813           | 963           | 1113           | 1263           | 1413           | 1563           | 1713           | 1863           | 2013           | 2163           | 2313           |



### Resolution 40 mm

|                       |               |               |               |               |               |               |               |                |                |                |                |                |                |                |                |                |
|-----------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| A versions            | EOS2<br>154 A | EOS2<br>254 A | EOS2<br>304 A | EOS2<br>454 A | EOS2<br>604 A | EOS2<br>754 A | EOS2<br>904 A | EOS2<br>1054 A | EOS2<br>1204 A | EOS2<br>1354 A | EOS2<br>1504 A | EOS2<br>1654 A | EOS2<br>1804 A | EOS2<br>1954 A | EOS2<br>2104 A | EOS2<br>2254 A |
| Part number           | 1320300       | 1321202       | 1320301       | 1320302       | 1320303       | 1320304       | 1320305       | 1320306        | 1320307        | 1320308        | 1320309        | 1320370        | 1320371        | 1320723        | 1320724        | 1320725        |
| X versions            | EOS2<br>154 X | EOS2<br>254 X | EOS2<br>304 X | EOS2<br>454 X | EOS2<br>604 X | EOS2<br>754 X | EOS2<br>904 X | EOS2<br>1054 X | EOS2<br>1204 X | EOS2<br>1354 X | EOS2<br>1504 X | EOS2<br>1654 X | EOS2<br>1804 X | EOS2<br>1954 X | EOS2<br>2104 X | EOS2<br>2254 X |
| Part number           | 1320310       | 1321209       | 1320311       | 1320312       | 1320313       | 1320314       | 1320315       | 1320316        | 1320317        | 1320318        | 1320319        | 1320372        | 1320373        | 1320751        | 1320752        | 1320753        |
| Protected height (mm) | 160           | 260           | 310           | 460           | 610           | 760           | 910           | 1060           | 1210           | 1360           | 1510           | 1660           | 1810           | 1960           | 2110           | 2260           |
| Number of beams       | 6             | 9             | 11            | 16            | 21            | 26            | 31            | 36             | 41             | 46             | 51             | 56             | 61             | 66             | 71             | 76             |
| Overall height (mm)   | 213           | 313           | 363           | 513           | 663           | 813           | 963           | 1113           | 1263           | 1413           | 1563           | 1713           | 1863           | 2013           | 2163           | 2313           |

# EOS4 - EOS2

## PART NUMBERS



### Resolution 50 mm

| A versions            | EOS2<br>155 A | EOS2<br>305 A | EOS2<br>455 A | EOS2<br>605 A | EOS2<br>755 A | EOS2<br>905 A | EOS2<br>1055 A | EOS2<br>1205 A | EOS2<br>1355 A | EOS2<br>1505 A | EOS2<br>1655 A | EOS2<br>1805 A | EOS2<br>1955 A | EOS2<br>2105 A | EOS2<br>2255 A |
|-----------------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Part number           | 1320400       | 1320401       | 1320402       | 1320403       | 1320404       | 1320405       | 1320406        | 1320407        | 1320408        | 1320409        | 1320470        | 1320471        | 1320769        | 1320770        | 1320771        |
| X versions            | EOS2<br>155 X | EOS2<br>305 X | EOS2<br>455 X | EOS2<br>605 X | EOS2<br>755 X | EOS2<br>905 X | EOS2<br>1055 X | EOS2<br>1205 X | EOS2<br>1355 X | EOS2<br>1505 X | EOS2<br>1655 X | EOS2<br>1805 X | EOS2<br>1955 X | EOS2<br>2105 X | EOS2<br>2255 X |
| Part number           | 1320410       | 1320411       | 1320412       | 1320413       | 1320414       | 1320415       | 1320416        | 1320417        | 1320418        | 1320419        | 1320472        | 1320473        | 1320772        | 1320773        | 1320774        |
| Protected height (mm) | 160           | 310           | 460           | 610           | 760           | 910           | 1060           | 1210           | 1360           | 1510           | 1660           | 1810           | 1960           | 2110           | 2260           |
| Number of beams       | 4             | 8             | 12            | 16            | 20            | 24            | 28             | 32             | 36             | 40             | 44             | 48             | 52             | 54             | 60             |
| Overall height (mm)   | 213           | 363           | 513           | 663           | 813           | 963           | 1113           | 1263           | 1413           | 1563           | 1713           | 1863           | 2013           | 2163           | 2313           |



### Resolution 90 mm

| A versions            | - | EOS2<br>309 A | EOS2<br>459 A | EOS2<br>609 A | EOS2<br>759 A | EOS2<br>909 A | EOS2<br>1059 A | EOS2<br>1209 A | EOS2<br>1359 A | EOS2<br>1509 A | EOS2<br>1659 A | EOS2<br>1809 A | EOS2<br>1959 A | EOS2<br>2109 A | EOS2<br>2259 A |
|-----------------------|---|---------------|---------------|---------------|---------------|---------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Part number           | - | 1320501       | 1320502       | 1320503       | 1320504       | 1320505       | 1320506        | 1320507        | 1320508        | 1320509        | 1320570        | 1320571        | 1320790        | 1320791        | 1320792        |
| X versions            | - | EOS2<br>309 X | EOS2<br>459 X | EOS2<br>609 X | EOS2<br>759 X | EOS2<br>909 X | EOS2<br>1059 X | EOS2<br>1209 X | EOS2<br>1359 X | EOS2<br>1509 X | EOS2<br>1659 X | EOS2<br>1809 X | EOS2<br>1959 X | EOS2<br>2109 X | EOS2<br>2259 X |
| Part number           | - | 1320511       | 1320512       | 1320513       | 1320514       | 1320515       | 1320516        | 1320517        | 1320518        | 1320519        | 1320572        | 1320573        | 1320793        | 1320794        | 1320794        |
| Protected height (mm) |   | 310           | 460           | 610           | 760           | 910           | 1060           | 1210           | 1360           | 1510           | 1660           | 1810           | 1960           | 2110           | 2260           |
| Number of beams       |   | 4             | 6             | 8             | 10            | 12            | 14             | 16             | 18             | 20             | 22             | 24             | 26             | 28             | 30             |
| Overall height (mm)   |   | 363           | 513           | 663           | 813           | 963           | 1113           | 1263           | 1413           | 1563           | 1713           | 1863           | 2013           | 2163           | 2313           |

## EOS4 - MULTIBEAMS



### 2, 3, 4 beams

| A versions            | EOS4 2B A  | EOS4 3B A  | EOS4 4B A  |
|-----------------------|------------|------------|------------|
| Part number           | 1310600    | 1310601    | 1310602    |
| X versions            | EOS4 2B X  | EOS4 3B X  | EOS4 4B X  |
| Part number           | 1310610    | 1310611    | 1310612    |
| AH versions           | EOS4 2B AH | EOS4 3B AH | EOS4 4B AH |
| Part number           | 1310650    | 1310651    | 1310652    |
| XH versions           | EOS4 2B XH | EOS4 3B XH | EOS4 4B XH |
| Part number           | 1310660    | 1310661    | 1310662    |
| Number of beams       | 2          | 3          | 4          |
| Beam spacing (mm)     | 500        | 400        | 300        |
| Protected height (mm) | 510        | 810        | 910        |
| Overall height (mm)   | 653        | 953        | 1053       |

## EOS2 - MULTIBEAMS



### 2, 3, 4 beams

| A versions            | EOS2 2B A | EOS2 3B A | EOS2 4B A |
|-----------------------|-----------|-----------|-----------|
| Part number           | 1320600   | 1320601   | 1320602   |
| X versions            | EOS2 2B X | EOS2 3B X | EOS2 4B X |
| Part number           | 1320610   | 1320611   | 1320612   |
| Number of beams       | 2         | 3         | 4         |
| Beam spacing (mm)     | 500       | 400       | 300       |
| Protected height (mm) | 510       | 810       | 910       |
| Overall height (mm)   | 653       | 953       | 1053      |

## EOS4 - MASTER/SLAVE VERSIONS WITH INTEGRATED FUNCTIONS



### Resolution 14 mm

| MASTER                | -              | - | EOS4<br>301 XM  | EOS4<br>451 XM  | EOS4<br>601 XM  | EOS4<br>751 XM  | EOS4<br>901 XM  | EOS4<br>1051 XM  | EOS4<br>1201 XM  | EOS4<br>1351 XM  | EOS4<br>1501 XM  | EOS4<br>1651 XM  | EOS4<br>1801 XM  | EOS4<br>1951 XM  |
|-----------------------|----------------|---|-----------------|-----------------|-----------------|-----------------|-----------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| Part number           | -              | - | 1310021         | 1310022         | 1310023         | 1310024         | 1310025         | 1310026          | 1310027          | 1310028          | 1310029          | 1310074          | 1310075          | 1310713          |
| SLAVE                 | EOS4<br>151 XS | - | EOS4<br>301 XS  | EOS4<br>451 XS  | EOS4<br>601 XS  | EOS4<br>751 XS  | EOS4<br>901 XS  | EOS4<br>1051 XS  | EOS4<br>1201 XS  | EOS4<br>1351 XS  | EOS4<br>1501 XS  | EOS4<br>1651 XS  | EOS4<br>1801 XS  | EOS4<br>1951 XS  |
| Part number           | 1310030        | - | 1310031         | 1310032         | 1310033         | 1310034         | 1310035         | 1310036          | 1310037          | 1310038          | 1310039          | 1310076          | 1310076          | 1310729          |
| SLAVE 2               | -              | - | EOS4<br>301 XS2 | EOS4<br>451 XS2 | EOS4<br>601 XS2 | EOS4<br>751 XS2 | EOS4<br>901 XS2 | EOS4<br>1051 XS2 | EOS4<br>1201 XS2 | EOS4<br>1351 XS2 | EOS4<br>1501 XS2 | EOS4<br>1651 XS2 | EOS4<br>1801 XS2 | EOS4<br>1951 XS2 |
| Part number           | -              | - | 1310041         | 1310042         | 1310043         | 1310044         | 1310045         | 1310046          | 1310047          | 1310048          | 1310049          | 1310078          | 1310079          | 1310730          |
| Protected height (mm) | 160            |   | 310             | 460             | 610             | 760             | 910             | 1060             | 1210             | 1360             | 1510             | 1660             | 1810             | 1960             |
| Number of beams       | 15             |   | 30              | 45              | 60              | 75              | 90              | 105              | 120              | 135              | 150              | 165              | 180              | 195              |
| Overall height (mm)   |                |   |                 |                 |                 |                 |                 |                  |                  |                  |                  |                  |                  |                  |
| Master / Slave 2 *    | 236,5          |   | 386,5           | 536,5           | 686,5           | 836,5           | 986,5           | 1136,5           | 1286,5           | 1436,5           | 1586,5           | 1736,5           | 1886,5           | 2036,5           |

\* On Slave versions, the overall height of the light curtain is the same of the standard model.  
On Master and Slave 2, the total height of the light curtain is greater due to the addition of the secondary connector.



### Resolution 30 mm

|   |                |                 |                 |                 |                 |                 |                 |                  |                  |                  |                  |                  |                  |                  |                  |                  |
|---|----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| MASTER                                    | -              | EOS4<br>253 XM  | EOS4<br>303 XM  | EOS4 453<br>XM  | EOS4<br>603 XM  | EOS4<br>753 XM  | EOS4<br>903 XM  | EOS4<br>1053 XM  | EOS4<br>1203 XM  | EOS4<br>1353 XM  | EOS4<br>1503 XM  | EOS4<br>1653 XM  | EOS4<br>1803 XM  | EOS4<br>1953 XM  | EOS4<br>2103 XM  | EOS4<br>2253 XM  |
| Part number                               |                | 1311206         | 1310221         | 1310222         | 1310223         | 1310224         | 1310225         | 1310226          | 1310227          | 1310228          | 1310229          | 1310274          | 1310275          | 1310742          | 1310743          | 1310744          |
| SLAVE                                     | EOS4<br>153 XS | EOS4<br>253 XS  | EOS4<br>303 XS  | EOS4<br>453 XS  | EOS4<br>603 XS  | EOS4<br>753 XS  | EOS4<br>903 XS  | EOS4<br>1053 XS  | EOS4<br>1203 XS  | EOS4<br>1353 XS  | EOS4<br>1503 XS  | EOS4<br>1653 XS  | EOS4<br>1803 XS  | EOS4<br>1953 XS  | EOS4<br>2103 XS  | EOS4<br>2253 XS  |
| Part number                               | 1310230        | 1311207         | 1310231         | 1310232         | 1310233         | 1310234         | 1310235         | 1310236          | 1310237          | 1310238          | 1310239          | 1310276          | 1310277          | 1310745          | 1310746          | 1310747          |
| SLAVE 2                                   | -              | EOS4<br>253 XM2 | EOS4<br>303 XS2 | EOS4<br>453 XS2 | EOS4<br>603 XS2 | EOS4<br>753 XS2 | EOS4<br>903 XS2 | EOS4<br>1053 XS2 | EOS4<br>1203 XS2 | EOS4<br>1353 XS2 | EOS4<br>1503 XS2 | EOS4<br>1653 XS2 | EOS4<br>1803 XS2 | EOS4<br>1953 XS2 | EOS4<br>2103 XS2 | EOS4<br>2253 XS2 |
| Part number                               | -              | 1311208         | 1310241         | 1310242         | 1310243         | 1310244         | 1310245         | 1310246          | 1310247          | 1310248          | 1310249          | 1310278          | 1310279          | 1310748          | 1310749          | 1310750          |
| Protected height (mm)                     | 160            | 260             | 310             | 460             | 610             | 760             | 910             | 1060             | 1210             | 1360             | 1510             | 1660             | 1810             | 1960             | 2110             | 2260             |
| Number of beams                           | 8              | 13              | 16              | 23              | 31              | 38              | 46              | 53               | 61               | 68               | 76               | 83               | 91               | 98               | 106              | 113              |
| Overall height (mm)<br>Master / Slave 2 * | 236,5          | 336,5           | 386,5           | 536,5           | 686,5           | 836,5           | 986,5           | 1136,5           | 1286,5           | 1436,5           | 1586,5           | 1736,5           | 1886,5           | 2036,5           | 2186,5           | 2336,5           |



### Resolution 40 mm

|   |                |                 |                 |                 |                 |                 |                 |                  |                  |                  |                  |                  |                  |                  |                  |                  |
|---|----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| MASTER                                    | -              | EOS4<br>254 XM  | EOS4<br>304 XM  | EOS4<br>454 XM  | EOS4<br>604 XM  | EOS4<br>754 XM  | EOS4<br>904 XM  | EOS4<br>104 XM   | EOS4<br>1204 XM  | EOS4<br>1354 XM  | EOS4<br>1504 XM  | EOS4<br>1654 XM  | EOS4<br>1804 XM  | EOS4<br>1954 XM  | EOS4<br>2104 XM  | EOS4<br>2254 XM  |
| Part number                               |                | 1311210         | 1310321         | 1310322         | 1310323         | 1310324         | 1310325         | 1310326          | 1310327          | 1310328          | 1310329          | 1310374          | 1310375          | 1310760          | 1310761          | 1310762          |
| SLAVE                                     | EOS4<br>154 XS | EOS4<br>254 XS  | EOS4<br>304 XS  | EOS4<br>454 XS  | EOS4<br>604 XS  | EOS4<br>754 XS  | EOS4<br>904 XS  | EOS4<br>1054 XS  | EOS4<br>1204 XS  | EOS4<br>1354 XS  | EOS4<br>1504 XS  | EOS4<br>1654 XS  | EOS4<br>1804 XS  | EOS4<br>1954 XS  | EOS4<br>2104 XS  | EOS4<br>2254 XS  |
| Part number                               | 1310330        | 1311211         | 1310331         | 1310332         | 1310333         | 1310334         | 1310335         | 1310336          | 1310337          | 1310338          | 1310339          | 1310376          | 1310377          | 1310763          | 1310764          | 1310765          |
| SLAVE 2                                   | -              | EOS4<br>254 XM2 | EOS4<br>304 XS2 | EOS4<br>454 XS2 | EOS4<br>604 XS2 | EOS4<br>754 XS2 | EOS4<br>904 XS2 | EOS4<br>1054 XS2 | EOS4<br>1204 XS2 | EOS4<br>1354 XS2 | EOS4<br>1504 XS2 | EOS4<br>1654 XS2 | EOS4<br>1804 XS2 | EOS4<br>1954 XS2 | EOS4<br>2104 XS2 | EOS4<br>2254 XS2 |
| Part number                               |                | 1311212         | 1310341         | 1310342         | 1310343         | 1310344         | 1310345         | 1310346          | 1310347          | 1310348          | 1310349          | 1310378          | 1310379          | 1310766          | 1310767          | 1310768          |
| Protected height (mm)                     | 160            | 260             | 310             | 460             | 610             | 760             | 910             | 1060             | 1210             | 1360             | 1510             | 1660             | 1810             | 1960             | 2110             | 2260             |
| Number of beams                           | 6              | 9               | 11              | 16              | 21              | 26              | 31              | 36               | 41               | 46               | 51               | 56               | 61               | 66               | 71               | 76               |
| Overall height (mm)<br>Master / Slave 2 * | 236,5          | 336,5           | 386,5           | 536,5           | 686,5           | 836,5           | 986,5           | 1136,5           | 1286,5           | 1436,5           | 1586,5           | 1736,5           | 1886,5           | 2036,5           | 2186,5           | 2336,5           |



### Resolution 50 mm

|   |                |   |                 |                 |                 |                 |                 |                  |                  |                  |                  |                  |                  |                  |                  |                  |
|---|----------------|---|-----------------|-----------------|-----------------|-----------------|-----------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| MASTER                                    | -              | - | EOS4<br>305 XM  | EOS4<br>455 XM  | EOS4<br>605 XM  | EOS4<br>755 XM  | EOS4<br>905 XM  | EOS4<br>105 XM   | EOS4<br>1205 XM  | EOS4<br>1355 XM  | EOS4<br>1505 XM  | EOS4<br>1655 XM  | EOS4<br>1805 XM  | EOS4<br>1955 XM  | EOS4<br>2105 XM  | EOS4<br>2255 XM  |
| Part number                               |                |   | 1310421         | 1310422         | 1310423         | 1310424         | 1310425         | 1310426          | 1310427          | 1310428          | 1310429          | 1310474          | 1310475          | 1310781          | 1310782          | 1310783          |
| SLAVE                                     | EOS4<br>155 XS | - | EOS4<br>305 XS  | EOS4<br>455 XS  | EOS4<br>605 XS  | EOS4<br>755 XS  | EOS4<br>905 XS  | EOS4<br>1055 XS  | EOS4<br>1205 XS  | EOS4<br>1355 XS  | EOS4<br>1505 XS  | EOS4<br>1655 XS  | EOS4<br>1805 XS  | EOS4<br>1955 XS  | EOS4<br>2105 XS  | EOS4<br>2255 XS  |
| Part number                               | 1310430        | - | 1310431         | 1310432         | 1310433         | 1310434         | 1310435         | 1310436          | 1310437          | 1310438          | 1310439          | 1310476          | 1310477          | 1310784          | 1310785          | 1310786          |
| SLAVE 2                                   | -              | - | EOS4<br>305 XS2 | EOS4<br>455 XS2 | EOS4<br>605 XS2 | EOS4<br>755 XS2 | EOS4<br>905 XS2 | EOS4<br>1055 XS2 | EOS4<br>1205 XS2 | EOS4<br>1355 XS2 | EOS4<br>1505 XS2 | EOS4<br>1655 XS2 | EOS4<br>1805 XS2 | EOS4<br>1955 XS2 | EOS4<br>2105 XS2 | EOS4<br>2255 XS2 |
| Part number                               | -              | - | 1310441         | 1310442         | 1310443         | 1310444         | 1310445         | 1310446          | 1310447          | 1310448          | 1310449          | 1310478          | 1310479          | 1310787          | 1310788          | 1310789          |
| Protected height (mm)                     | 160            |   | 310             | 460             | 610             | 760             | 910             | 1060             | 1210             | 1360             | 1510             | 1660             | 1810             | 1960             | 2110             | 2260             |
| Number of beams                           | 4              |   | 8               | 12              | 16              | 20              | 24              | 28               | 32               | 36               | 40               | 44               | 48               | 52               | 56               | 60               |
| Overall height (mm)<br>Master / Slave 2 * | 236,5          |   | 386,5           | 536,5           | 686,5           | 836,5           | 986,5           | 1136,5           | 1286,5           | 1436,5           | 1586,5           | 1736,5           | 1886,5           | 2036,5           | 2186,5           | 2336,5           |



### Resolution 90 mm

|   |   |   |                 |                 |                 |                 |                 |                  |                  |                  |                  |                  |                  |                  |                  |                  |
|---|---|---|-----------------|-----------------|-----------------|-----------------|-----------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| MASTER                                    | - | - | EOS4<br>309 XM  | EOS4<br>459 XM  | EOS4<br>609 XM  | EOS4<br>759 XM  | EOS4<br>909 XM  | EOS4<br>1059 XM  | EOS4<br>1209 XM  | EOS4<br>1359 XM  | EOS4<br>1509 XM  | EOS4<br>1659 XM  | EOS4<br>1809 XM  | EOS4<br>1959 XM  | EOS4<br>2109 XM  | EOS4<br>2259 XM  |
| Part number                               | - | - | 1310521         | 1310522         | 1310523         | 1310524         | 1310525         | 1310526          | 1310527          | 1310528          | 1310529          | 1310574          | 1310575          | 1310801          | 1310802          | 1310803          |
| SLAVE                                     | - | - | EOS4<br>309 XS  | EOS4<br>459 XS  | EOS4<br>609 XS  | EOS4<br>759 XS  | EOS4<br>909 XS  | EOS4<br>1059 XS  | EOS4<br>1209 XS  | EOS4<br>1359 XS  | EOS4<br>1509 XS  | EOS4<br>1659 XS  | EOS4<br>1809 XS  | EOS4<br>1959 XS  | EOS4<br>2109 XS  | EOS4<br>2259 XS  |
| Part number                               | - | - | 1310531         | 1310532         | 1310533         | 1310534         | 1310535         | 1310536          | 1310537          | 1310538          | 1310539          | 1310576          | 1310577          | 1310804          | 1310805          | 1310806          |
| SLAVE 2                                   | - | - | EOS4<br>309 XS2 | EOS4<br>459 XS2 | EOS4<br>609 XS2 | EOS4<br>759 XS2 | EOS4<br>909 XS2 | EOS4<br>1059 XS2 | EOS4<br>1209 XS2 | EOS4<br>1359 XS2 | EOS4<br>1509 XS2 | EOS4<br>1659 XS2 | EOS4<br>1809 XS2 | EOS4<br>1959 XS2 | EOS4<br>2109 XS2 | EOS4<br>2259 XS2 |
| Part number                               | - | - | 1310541         | 1310542         | 1310543         | 1310544         | 1310545         | 1310546          | 1310547          | 1310548          | 1310549          | 1310578          | 1310579          | 1310807          | 1310808          | 1310809          |
| Protected height (mm)                     |   |   | 310             | 460             | 610             | 760             | 910             | 1060             | 1210             | 1360             | 1510             | 1660             | 1810             | 1960             | 2110             | 2260             |
| Number of beams                           |   |   | 4               | 6               | 8               | 10              | 12              | 14               | 16               | 18               | 20               | 22               | 24               | 52               | 56               | 60               |
| Overall height (mm)<br>Master / Slave 2 * |   |   | 386,5           | 536,5           | 686,5           | 836,5           | 986,5           | 1136,5           | 1286,5           | 1436,5           | 1586,5           | 1736,5           | 1886,5           | 2036,5           | 2186,5           | 2336,5           |

# EOS4 - EOS2

## PART NUMBERS

### EOS2 - MASTER/SLAVE VERSIONS WITH INTEGRATED FUNCTIONS

#### Resolution 30 mm

|   |                |                  |                 |                 |                 |                 |                 |                  |                  |                  |                  |                  |                  |                  |                  |                  |
|---|----------------|------------------|-----------------|-----------------|-----------------|-----------------|-----------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| MASTER                                    | -              | EOS 2<br>253 XM  | EOS2<br>303 XM  | EOS2<br>453 XM  | EOS2<br>603 XM  | EOS2<br>753 XM  | EOS2<br>903 XM  | EOS2<br>1053 XM  | EOS2<br>1203 XM  | EOS2<br>1353 XM  | EOS2<br>1503 XM  | EOS2<br>1653 XM  | EOS2<br>1803 XM  | EOS2<br>1953 XM  | EOS2<br>2103 XM  | EOS2<br>2253 XM  |
| Part number                               | -              | 1321206          | 1320221         | 1320222         | 1320223         | 1320224         | 1320225         | 1320226          | 1320227          | 1320228          | 1320229          | 1320274          | 1320275          | 1320742          | 1320743          | 1320744          |
| SLAVE                                     | EOS2<br>153 XS | EOS 2<br>253 XS  | EOS2<br>303 XS  | EOS2<br>453 XS  | EOS2<br>603 XS  | EOS2<br>753 XS  | EOS2<br>903 XS  | EOS2<br>1053 XS  | EOS2<br>1203 XS  | EOS2<br>1353 XS  | EOS2<br>1503 XS  | EOS2<br>1653 XS  | EOS2<br>1803 XS  | EOS2<br>1953 XS  | EOS2<br>2103 XS  | EOS2<br>2253 XS  |
| Part number                               | 1320230        | 1321207          | 1320231         | 1320232         | 1320233         | 1320234         | 1320235         | 1320236          | 1320237          | 1320237          | 1320239          | 1320276          | 1320277          | 1320745          | 1320746          | 1320747          |
| SLAVE 2                                   | -              | EOS 2<br>253 XM2 | EOS2<br>303 XS2 | EOS2<br>453 XS2 | EOS2<br>603 XS2 | EOS2<br>753 XS2 | EOS2<br>903 XS2 | EOS2<br>1053 XS2 | EOS2<br>1203 XS2 | EOS2<br>1353 XS2 | EOS2<br>1503 XS2 | EOS2<br>1653 XS2 | EOS2<br>1803 XS2 | EOS2<br>1953 XS2 | EOS2<br>2103 XS2 | EOS2<br>2253 XS2 |
| Part number                               | -              | 1321208          | 1320241         | 1320242         | 1320243         | 1320244         | 1320245         | 1320246          | 1320247          | 1320248          | 1320249          | 1320278          | 1320279          | 1320748          | 1320749          | 1320750          |
| Protected height (mm)                     | 160            | 260              | 310             | 460             | 610             | 760             | 910             | 1060             | 1210             | 1360             | 1510             | 1660             | 1810             | 1960             | 2110             | 2260             |
| Number of beams                           | 8              | 13               | 16              | 23              | 31              | 38              | 46              | 53               | 61               | 68               | 76               | 83               | 91               | 98               | 106              | 113              |
| Overall height (mm)<br>Master / Slave 2 * | 236.5          | 336.5            | 386.5           | 536.5           | 686.5           | 836.5           | 986.5           | 1136.5           | 1286.5           | 1436.5           | 1586.5           | 1736.5           | 1886.5           | 2013             | 2163             | 2313             |

#### Resolution 40 mm

|   |                |                 |                 |                 |                 |                 |                 |                  |                  |                  |                  |                  |                  |                  |                  |                  |
|---|----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| MASTER                                    | -              | EOS2<br>254 XM  | EOS2<br>304 XM  | EOS2<br>454 XM  | EOS2<br>604 XM  | EOS2<br>754 XM  | EOS2<br>904 XM  | EOS2<br>1054 XM  | EOS2<br>1204 XM  | EOS2<br>1354 XM  | EOS2<br>1504 XM  | EOS2<br>1654 XM  | EOS2<br>1804 XM  | EOS2<br>1954 XM  | EOS2<br>2104 XM  | EOS2<br>2254 XM  |
| Part number                               | -              | 1321210         | 1320321         | 1320322         | 1320323         | 1320324         | 1320325         | 1320326          | 1320327          | 1320328          | 1320329          | 1320374          | 1320375          | 1320760          | 1320761          | 1320762          |
| SLAVE                                     | EOS2<br>154 XS | EOS2<br>254 XS  | EOS2<br>304 XS  | EOS2<br>454 XS  | EOS2<br>604 XS  | EOS2<br>754 XS  | EOS2<br>904 XS  | EOS2<br>1054 XS  | EOS2<br>1204 XS  | EOS2<br>1354 XS  | EOS2<br>1504 XS  | EOS2<br>1654 XS  | EOS2<br>1804 XS  | EOS2<br>1954 XS  | EOS2<br>2104 XS  | EOS2<br>2254 XS  |
| Part number                               | 1320330        | 1321211         | 1320331         | 1320332         | 1320333         | 1320334         | 1320335         | 1320336          | 1320337          | 1320338          | 1320339          | 1320376          | 1320377          | 1320763          | 1320764          | 1320765          |
| SLAVE 2                                   | -              | EOS2<br>254 XS2 | EOS2<br>304 XS2 | EOS2<br>454 XS2 | EOS2<br>604 XS2 | EOS2<br>754 XS2 | EOS2<br>904 XS2 | EOS2<br>1054 XS2 | EOS2<br>1204 XS2 | EOS2<br>1354 XS2 | EOS2<br>1504 XS2 | EOS2<br>1654 XS2 | EOS2<br>1804 XS2 | EOS2<br>1954 XS2 | EOS2<br>2104 XS2 | EOS2<br>2254 XS2 |
| Part number                               | -              | 1321212         | 1320341         | 1320342         | 1320343         | 1320344         | 1320345         | 1320346          | 1320347          | 1320348          | 1320349          | 1320378          | 1320379          | 1320766          | 1320767          | 1320768          |
| Protected height (mm)                     | 160            | 260             | 310             | 460             | 610             | 760             | 910             | 1060             | 1210             | 1360             | 1510             | 1660             | 1810             | 1960             | 2110             | 2260             |
| Number of beams                           | 6              | 9               | 11              | 16              | 21              | 26              | 31              | 36               | 41               | 46               | 51               | 56               | 61               | 66               | 71               | 76               |
| Overall height (mm)<br>Master / Slave 2 * | 236.5          | 336.5           | 386.5           | 536.5           | 686.5           | 836.5           | 986.5           | 1136.5           | 1286.5           | 1436.5           | 1586.5           | 1736.5           | 1886.5           | 2013             | 2163             | 2313             |

#### Resolution 50 mm

|   |                |   |                 |                 |                 |                 |                 |                  |                  |                  |                  |                  |                  |                  |                  |                  |
|---|----------------|---|-----------------|-----------------|-----------------|-----------------|-----------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| MASTER                                    | -              | - | EOS2<br>305 XM  | EOS2<br>455 XM  | EOS2<br>605 XM  | EOS2<br>755 XM  | EOS2<br>905 XM  | EOS2<br>105 XM   | EOS2<br>1205 XM  | EOS2<br>1355 XM  | EOS2<br>1505 XM  | EOS2<br>1655 XM  | EOS2<br>1805 XM  | EOS2<br>1955 XM  | EOS2<br>2105 XM  | EOS2<br>2255 XM  |
| Part number                               | -              | - | 1320421         | 1320422         | 1320423         | 1320424         | 1320425         | 1320426          | 1320427          | 1320428          | 1320429          | 1320474          | 1320475          | 1320781          | 1320782          | 1320783          |
| SLAVE                                     | EOS2<br>155 XS | - | EOS2<br>305 XS  | EOS2<br>455 XS  | EOS2<br>605 XS  | EOS2<br>755 XS  | EOS2<br>905 XS  | EOS2<br>1055 XS  | EOS2<br>1205 XS  | EOS2<br>1355 XS  | EOS2<br>1505 XS  | EOS2<br>1655 XS  | EOS2<br>1805 XS  | EOS2<br>1955 XS  | EOS2<br>2105 XS  | EOS2<br>2255 XS  |
| Part number                               | 1320430        | - | 1320431         | 1320432         | 1320433         | 1320434         | 1320435         | 1320436          | 1320437          | 1320438          | 1320439          | 1320476          | 1320477          | 1320784          | 1320785          | 1320786          |
| SLAVE 2                                   | -              | - | EOS2<br>305 XS2 | EOS2<br>455 XS2 | EOS2<br>605 XS2 | EOS2<br>755 XS2 | EOS2<br>905 XS2 | EOS2<br>1055 XS2 | EOS2<br>1205 XS2 | EOS2<br>1355 XS2 | EOS2<br>1505 XS2 | EOS2<br>1655 XS2 | EOS2<br>1805 XS2 | EOS2<br>1955 XS2 | EOS2<br>2105 XS2 | EOS2<br>2255 XS2 |
| Part number                               | -              | - | 1320441         | 1320442         | 1320443         | 1320444         | 1320445         | 1320446          | 1320447          | 1320448          | 1320449          | 1320478          | 1320479          | 1320787          | 1320788          | 1320789          |
| Protected height (mm)                     | 160            | - | 310             | 460             | 610             | 760             | 910             | 1060             | 1210             | 1360             | 1510             | 1660             | 1810             | 1960             | 2110             | 2260             |
| Number of beams                           | 4              | - | 8               | 12              | 16              | 20              | 24              | 28               | 32               | 36               | 40               | 44               | 48               | 52               | 56               | 60               |
| Overall height (mm)<br>Master / Slave 2 * | 236.5          | - | 386.5           | 536.5           | 686.5           | 836.5           | 986.5           | 1136.5           | 1286.5           | 1436.5           | 1586.5           | 1736.5           | 1886.5           | 2013             | 2163             | 2313             |

#### Resolution 90 mm

|   |   |   |                 |                 |                 |                 |                 |                  |                  |                  |                  |                  |                  |                  |                  |                  |
|---|---|---|-----------------|-----------------|-----------------|-----------------|-----------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| MASTER                                    | - | - | EOS2<br>309 XM  | EOS2<br>459 XM  | EOS2<br>609 XM  | EOS2<br>759 XM  | EOS2<br>909 XM  | EOS2<br>1059 XM  | EOS2<br>1209 XM  | EOS2<br>1359 XM  | EOS2<br>1509 XM  | EOS2<br>1659 XM  | EOS2<br>1809 XM  | EOS2<br>1959 XM  | EOS2<br>2109 XM  | EOS2<br>2259 XM  |
| Part number                               | - | - | 1320521         | 1320522         | 1320523         | 1320524         | 1320525         | 1320526          | 1320527          | 1320528          | 1320529          | 1320574          | 1320575          | 1320801          | 1320802          | 1320803          |
| SLAVE                                     | - | - | EOS2<br>309 XS  | EOS2<br>459 XS  | EOS2<br>609 XS  | EOS2<br>759 XS  | EOS2<br>909 XS  | EOS2<br>1059 XS  | EOS2<br>1209 XS  | EOS2<br>1359 XS  | EOS2<br>1509 XS  | EOS2<br>1659 XS  | EOS2<br>1809 XS  | EOS2<br>1959 XS  | EOS2<br>2109 XS  | EOS2<br>2259 XS  |
| Part number                               | - | - | 1320531         | 1320532         | 1320533         | 1320534         | 1320535         | 1320536          | 1320537          | 1320538          | 1320539          | 1320576          | 1320577          | 1320804          | 1320805          | 1320806          |
| SLAVE 2                                   | - | - | EOS2<br>309 XS2 | EOS2<br>459 XS2 | EOS2<br>609 XS2 | EOS2<br>759 XS2 | EOS2<br>909 XS2 | EOS2<br>1059 XS2 | EOS2<br>1209 XS2 | EOS2<br>1359 XS2 | EOS2<br>1509 XS2 | EOS2<br>1659 XS2 | EOS2<br>1809 XS2 | EOS2<br>1959 XS2 | EOS2<br>2109 XS2 | EOS2<br>2259 XS2 |
| Part number                               | - | - | 1320541         | 1320542         | 1320543         | 1320544         | 1320545         | 1320546          | 1320547          | 1320548          | 1320549          | 1320578          | 1320579          | 1320807          | 1320808          | 1320809          |
| Protected height (mm)                     | - | - | 310             | 460             | 610             | 760             | 910             | 1060             | 1210             | 1360             | 1510             | 1660             | 1810             | 1960             | 2110             | 2260             |
| Number of beams                           | - | - | 4               | 6               | 8               | 10              | 12              | 14               | 16               | 18               | 20               | 22               | 24               | 26               | 28               | 30               |
| Overall height (mm)<br>Master / Slave 2 * | - | - | 386.5           | 536.5           | 686.5           | 836.5           | 986.5           | 1136.5           | 1266.5           | 1436.5           | 1586.5           | 1736.5           | 1886.5           | 2013             | 2163             | 2313             |




### EOS4 - MASTER/SLAVE MULTIBEAMS

 2, 3, 4 beams

| MASTER                                   | EOS4 2B XM  | EOS4 3B XM  | EOS4 4B XM  |
|--|-------------|-------------|-------------|
| Part number                              | 1310620     | 1310621     | 1310622     |
| SLAVE                                    | EOS4 2B XS  | EOS4 3B XS  | EOS4 4B XS  |
| Part number                              | 1310630     | 1310631     | 1310632     |
| SLAVE 2                                  | EOS4 2B XS2 | EOS4 3B XS2 | EOS4 4B XS2 |
| Part number                              | 1310640     | 1310641     | 1310642     |
| Number of beams                          | 2           | 3           | 4           |
| Beam spacing (mm)                        | 500         | 400         | 300         |
| Protected height (mm)                    | 510         | 810         | 910         |
| Overall height (mm)<br>Master / Slave 2* | 677         | 977         | 1077        |

### EOS2 - MASTER/SLAVE MULTIBEAMS

 2, 3, 4 beams

| MASTER                                   | EOS2 2B XM  | EOS2 3B XM  | EOS2 4B XM  |
|--|-------------|-------------|-------------|
| Part number                              | 1320620     | 1320621     | 1320622     |
| SLAVE                                    | EOS2 2B XS  | EOS2 3B XS  | EOS2 4B XS  |
| Part number                              | 1320630     | 1320631     | 1320632     |
| SLAVE 2                                  | EOS2 2B XS2 | EOS2 3B XS2 | EOS2 4B XS2 |
| Part number                              | 1320640     | 1320641     | 1320642     |
| Number of beams                          | 2           | 3           | 4           |
| Beam spacing (mm)                        | 500         | 400         | 300         |
| Protected height (mm)                    | 510         | 810         | 910         |
| Overall height (mm)<br>Master / Slave 2* | 677         | 977         | 1077        |

\* On Slave versions, the overall height of the light curtain is the same of the standard model.  
On Master and Slave 2, the total height of the light curtain is greater due to the addition of the secondary connector.

### EOS4 / EOS2 - T (HIGH VIBRATIONS)




 Resolution 30 mm

| AT versions           | EOS4 153 AT  | EOS4 303 AT  | EOS4 453 AT  | EOS4 603 AT  |
|-----------------------|--------------|--------------|--------------|--------------|
| Part number           | 1310821      | 1310822      | 1310823      | 1310824      |
| ATL versions          | EOS4 153 ATL | EOS4 303 ATL | EOS4 453 ATL | EOS4 603 ATL |
| Part number           | 1310825      | 1310826      | 1310827      | 1310828      |
| XT versions           | EOS4 153 XT  | EOS4 303 XT  | EOS4 453 XT  | EOS4 603 XT  |
| Part number           | 1310816      | 1310817      | 1310818      | 1310810      |
| XTL versions          | EOS4 153 XTL | EOS4 303 XTL | EOS4 453 XTL | EOS4 603 XTL |
| Part number           | 1310819      | 1310702      | 1310820      | 1310815      |
| AT versions           | EOS2 153 AT  | EOS2 303 AT  | EOS2 453 AT  | EOS2 603 AT  |
| Part number           | 1321222      | 1321201      | 1321223      | 1321224      |
| ATL versions          | EOS2 153 ATL | EOS2303 ATL  | EOS2453 ATL  | EOS2603 ATL  |
| Part number           | 1321225      | 1321226      | 1321227      | 1321228      |
| XT versions           | EOS2 153 XT  | EOS2 303 XT  | EOS2 453 XT  | EOS2 603 XT  |
| Part number           | 1321214      | 1321213      | 1321216      | 1321217      |
| XTL versions          | EOS2 153 XTL | EOS2 303 XTL | EOS2 453 XTL | EOS2 603 XTL |
| Part number           | 1321218      | 1321219      | 1321220      | 1321221      |
| Protected height (mm) | 160          | 310          | 460          | 610          |
| Number of beams       | 8            | 16           | 23           | 31           |
| Overall height (mm)   | 213          | 363          | 513          | 663          |

### EOS4 - ATEX VERSIONS\*



 Resolution 30 mm

| AH EX versions        | EOS4 603 AH EX | EOS4 903 AH EX | EOS4 1203 AH EX | EOS4 1503 AH EX |
|-----------------------|----------------|----------------|-----------------|-----------------|
| Part number           | 1010253        | 1010255        | 1010257         | 1010259         |
| Protected height (mm) | 610            | 910            | 1210            | 1510            |
| Number of beams       | 31             | 46             | 61              | 76              |
| Overall height (mm)   | 780            | 1080           | 1380            | 1680            |

 2, 3, 4 beams

| AH EX versions        | EOS4 2B AH EX | EOS4 3B AH EX | EOS4 4B AH EX |
|-----------------------|---------------|---------------|---------------|
| Part number           | 1010650       | 1010651       | 1010652       |
| Number of beams       | 2             | 3             | 4             |
| Beam spacing (mm)     | 500           | 400           | 300           |
| Protected height (mm) | 510           | 810           | 910           |
| Overall height (mm)   | 780           | 1080          | 1180          |

\* Note: The safety light curtain/grid is delivered already enclosed into its watertight tube with a 10m long prewired cable and the related fastening brackets

### EOS4 / EOS2 - WTF / WTHF VERSIONS\*



 Resolution 14 mm

| X WTF versions        | EOS4 151 X WTF  | EOS4 301 X WTF  | EOS4 451 X WTF  | EOS4 601 X WTF  | EOS4 751 X WTF  | EOS4 901 X WTF  | EOS4 1051 X WTF  | EOS4 1201 X WTF  | EOS4 1351 X WTF  | EOS4 1501 X WTF  | EOS4 1651 X WTF  | EOS4 1801 X WTF  |
|-----------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|------------------|------------------|------------------|------------------|------------------|------------------|
| Part number           | 1110030         | 1110031         | 1110032         | 1110033         | 1110034         | 1110035         | 1110036          | 1110037          | 1110038          | 1110039          | 1110051          | 1110052          |
| X WTHF versions       | EOS4 151 X WTHF | EOS4 301 X WTHF | EOS4 451 X WTHF | EOS4 601 X WTHF | EOS4 751 X WTHF | EOS4 901 X WTHF | EOS4 1051 X WTHF | EOS4 1201 X WTHF | EOS4 1351 X WTHF | EOS4 1501 X WTHF | EOS4 1651 X WTHF | EOS4 1801 X WTHF |
| Part number           | 1110040         | 1110041         | 1110042         | 1110043         | 1110044         | 1110045         | 1110046          | 1110047          | 1110048          | 1110049          | 1110055          | 1110056          |
| Protected height (mm) | 160             | 310             | 460             | 610             | 760             | 910             | 1060             | 1210             | 1360             | 1510             | 1660             | 1810             |
| Number of beams       | 15              | 30              | 45              | 60              | 75              | 90              | 105              | 120              | 135              | 150              | 165              | 180              |
| Overall height (mm)   | 337             | 487             | 637             | 787             | 937             | 1087            | 1237             | 1387             | 1537             | 1687             | 1837             | 1987             |

## PART NUMBERS

### Resolution 30 mm

| XH WTF versions       | EOS4 153 XH WTF  | EOS4 303 XH WTF  | EOS4 453 XH WTF  | EOS4 603 XH WTF  | EOS4 753 XH WTF  | EOS4 903 XH WTF  | EOS4 1053 XH WTF  | EOS4 1203 XH WTF  | EOS4 1353 XH WTF  | EOS4 1503 XH WTF  | EOS4 1653 XH WTF  | EOS4 1803 XH WTF  |
|-----------------------|------------------|------------------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Part number           | 1110280          | 1110281          | 1110282          | 1110283          | 1110284          | 1110285          | 1110286           | 1110287           | 1110288           | 1110289           | 1110053           | 1110054           |
| XH WTHF versions      | EOS4 153 XH WTHF | EOS4 303 XH WTHF | EOS4 453 XH WTHF | EOS4 603 XH WTHF | EOS4 753 XH WTHF | EOS4 903 XH WTHF | EOS4 1053 XH WTHF | EOS4 1203 XH WTHF | EOS4 1353 XH WTHF | EOS4 1503 XH WTHF | EOS4 1653 XH WTHF | EOS4 1803 XH WTHF |
| Part number           | 1110290          | 1110291          | 1110292          | 1110293          | 1110294          | 1110295          | 1110296           | 1110297           | 1110298           | 1110299           | 1110057           | 1110058           |
| Protected height (mm) | 160              | 310              | 460              | 610              | 760              | 910              | 1060              | 1210              | 1360              | 1510              | 1660              | 1810              |
| Number of beams       | 8                | 16               | 23               | 31               | 38               | 46               | 53                | 61                | 68                | 76                | 83                | 91                |
| Overall height (mm)   | 337              | 487              | 637              | 787              | 937              | 1087             | 1237              | 1387              | 1537              | 1687              | 1837              | 1987              |

### Resolution 30 mm

| XH WTF versions       | EOS2 153 X WTF  | EOS2 303X WTF   | EOS2 453 X WTF  | EOS2 603 X WTF  | EOS2 753 X WTF  | EOS2 903 X WTF  | EOS2 1053 X WTF  | EOS2 1203 X WTF  | EOS2 1353 X WTF  | EOS2 1503 X WTF  | EOS2 1653 X WTF  | EOS2 1803 X WTF  |
|-----------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|------------------|------------------|------------------|------------------|------------------|------------------|
| Part number           | 1120230         | 1120231         | 1120232         | 1120233         | 1120234         | 1120235         | 1120236          | 1120237          | 1120238          | 1120239          | 1120050          | 1120051          |
| XH WTHF versions      | EOS2 153 X WTHF | EOS2 303 X WTHF | EOS2 453 X WTHF | EOS2 603 X WTHF | EOS2 753 X WTHF | EOS2 903 X WTHF | EOS2 1053 X WTHF | EOS2 1203 X WTHF | EOS2 1353 X WTHF | EOS2 1503 X WTHF | EOS2 1653 X WTHF | EOS2 1803 X WTHF |
| Part number           | 1120240         | 1120241         | 1120242         | 1120243         | 1120244         | 1120245         | 1120246          | 1120247          | 1120248          | 1120249          | 1120052          | 1120053          |
| Protected height (mm) | 160             | 310             | 460             | 610             | 760             | 910             | 1060             | 1210             | 1360             | 1510             | 1660             | 1810             |
| Number of beams       | 8               | 16              | 23              | 31              | 38              | 46              | 53               | 61               | 68               | 76               | 83               | 91               |
| Overall height (mm)   | 337             | 487             | 637             | 787             | 937             | 1087            | 1237             | 1387             | 1537             | 1687             | 1837             | 1987             |

### EOS4 - WTF / WTHF MULTIBEAMS

#### 2, 3, 4 beams

|                       | WTF versions   |                |                | WTHF versions   |                 |                 |
|-----------------------|----------------|----------------|----------------|-----------------|-----------------|-----------------|
|                       | EOS4 2B XH WTF | EOS4 3B XH WTF | EOS4 4B XH WTF | EOS4 2B XH WTHF | EOS4 3B XH WTHF | EOS4 4B XH WTHF |
| Part number           | 1110670        | 1110671        | 1110672        | 1110675         | 1110676         | 1110677         |
| Number of beams       | 2              | 3              | 4              | 2               | 3               | 4               |
| Beam spacing (mm)     | 500            | 400            | 300            | 500             | 400             | 300             |
| Protected height (mm) | 510            | 810            | 910            | 510             | 810             | 910             |
| Overall height (mm)   | 777            | 1077           | 1177           | 777             | 1077            | 1177            |

### EOS2 - WTF / WTHF MULTIBEAMS

#### 2, 3, 4 beams

|                       | WTF versions  |               |               | WTHF versions  |                |                |
|-----------------------|---------------|---------------|---------------|----------------|----------------|----------------|
|                       | EOS2 2B X WTF | EOS2 3B X WTF | EOS2 4B X WTF | EOS2 2B X WTHF | EOS2 3B X WTHF | EOS2 4B X WTHF |
| Part number           | 1120620       | 1120621       | 1120622       | 1120625        | 1120626        | 1120627        |
| Number of beams       | 2             | 3             | 4             | 2              | 3              | 4              |
| Beam spacing (mm)     | 500           | 400           | 300           | 500            | 400            | 300            |
| Protected height (mm) | 510           | 810           | 910           | 510            | 810            | 910            |
| Overall height (mm)   | 777           | 1077          | 1177          | 777            | 1077           | 1177           |

\* Note: The safety light curtain/grid is delivered already enclosed into its watertight tube with a 10m long prewired cable and the related fastening brackets

## AVAILABLE ACCESSORIES

- Connecting cables
- Special mounting brackets
- Floor mounting columns
- Heavy-duty protection screens
- Laser alignment aid
- Vibration dampers

See page 32



## ACCESS CONTROL BARRIERS

The Safegate Type 4 range of access control barriers is the ideal solution for the protection of a vast number of high-risk industrial applications, in particular those requiring a high level of integration of the Muting functions.

Safegate guarantees the perfect integration of all Muting sensors directly connected to the access control barrier.



### VERSIONS AVAILABLE



Without Muting functions



Hardware configuration



Hardware configuration with integrated Status and Muting lamp



Hardware or Software configuration with integrated Status and Muting lamp

Also available as  with passive retro-reflective elements

Integrated Status and Muting lamp

Fully scalable  
Change configuration at any time

Vast range of accessories including  
- connection boxes  
- special mounting brackets  
- floor mounting columns

Flexible configuration  
Hardware or Software configuration to cover all Muting applications

#### Color-coding

Color-coded connectors for easy installation



#### LONG RANGE

Special version with range up to 80 m (without Muting functions)

Pre-configured and pre-wired Muting arms

3 pre-configured Muting logics  
- Exit-only (parallel/crossed beams)  
- Entry-Exit (parallel beams)  
- Entry-Exit (crossed beams)

Safegate Configuration Software (SCS) for SMPO versions



Configuration with MA Muting Arms with integrated single-beam sensors

Watch the video!



YouTube

**M<sup>5</sup>** multi-beam Muting sensors  
Ideal for sensing unconventional objects

Also available in TRX version with retro-reflective Muting sensors **M<sup>TRX</sup>**

Configuration with MZ Muting Brackets with M<sup>5</sup> multi-beam sensors or M<sup>TRX</sup> retro-reflector sensors

SAFETY LEVEL

**TYPE 4**

SIL 3 - SILCL 3  
PL e - Cat. 4




## MUTING SENSORS AND ACCESSORIES

### MUTING SENSORS

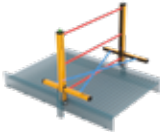
**MA**

Muting arms with integrated sensors


**MA L2X**  
[1390800]  
2 integrated sensors (emitter and receiver)



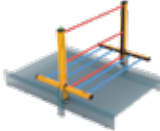
**MA T2X**  
[1390802]  
2 integrated sensors (emitter and receiver)



**MA L2P TRX**  
[1390804]  
2 integrated retro-reflector sensors




**MA T4P TRX**  
[1390805]  
4 integrated retro-reflector sensors



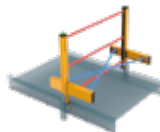
**MZ**

Muting brackets with M<sup>S</sup> or M<sup>TRX</sup> sensors


**MZ L2XP**  
[1390808]  
2 M<sup>S</sup> multi-beam sensors



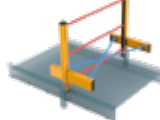
**MZ T2X**  
[1390809]  
2 M<sup>S</sup> multi-beam sensors



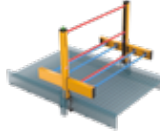
**MZ L2XP TRX**  
[1390815]  
2 M<sup>TRX</sup> retro-reflector sensors



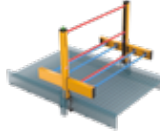
**MZ T2X TRX**  
[1390816]  
2 M<sup>TRX</sup> retro-reflector sensors



**MZ T4P**  
[1390810]  
4 M<sup>S</sup> multi-beam sensors



**MZ T4P TRX**  
[1390817]  
4 M<sup>TRX</sup> retro-reflector sensors



For Muting sensors M<sup>S</sup> and M<sup>TRX</sup> see page 29

### SPECIAL MUTING SENSORS

| Model         | Part number | Used for..                                  | Model         | Part number | Used for..  |
|---------------|-------------|---|---------------|-------------|---|
| MA L2P TRX G  | 1390813     | Transparent material<br>(range 0 ... 2 m)   | MA L2P TRX VG | 1390821     | High speed conveyors for<br>transparent material<br>(range 0 ... 2 m) |
| MA T4P TRX G  | 1390814     |   | MA T4P TRX VG | 1390822     |   |
| MZ L2XP TRX G | 1390818     |   | MZ L2XP H     | 1390823     |   |
| MZ T2X TRX G  | 1390819     |   | MZ L2XP TRX H | 1390826     |   |
| MZ T4P TRX G  | 1390820     |   | MZ T2X H      | 1390824     |   |
| MA L2P TRX V  | 1390806     | High speed conveyors<br>(range 0 ... 3,5 m) | MZ T2X TRX H  | 1390828     | High range<br>(range 0 ... 5 m)                                       |
| MA T4P TRX V  | 1390807     |   | MZ T4P H      | 1390825     |   |
| MZ L2XP V     | 1390811     |   | MZ T4P TRX H  | 1390827     |   |
| MZ T4P V      | 1390812     |   |               |             |   |

### CABLES NEEDED

| SM / SMO / SMPO                | S                 | LR / LR ILP       |
|--------------------------------|-------------------|-------------------|
| Emitter: M12 5-pole (CDx)      | M12 5-pole (CDx)  | M12 5-pole (CDx)  |
| Receiver: M12 12-pole (CS12Dx) | M12 8-pole (C8Dx) | M12 8-pole (C8Dx) |

#### SM TRX / SMO TRX / SMPO TRX

Active element: M12 12-pole (CS12Dx)

#### S TRX

Active element: M12 8-pole (C8Dx)

#### S TRX - A

M12 5-pole (CDx)

CS12USB [1390905] USB-M12 5-pole - SMPO e SMPO TRX versions programming cable

### CONNECTION BOXES



| Models                                   | M SG BOX                        | M SGO BOX | M SG BOX RST        | M SG BOX PLUS                   | M SGO BOX PLUS | M SG BOX OSSD              | M SGO BOX OSSD  | M SG BOX RST P |
|--|---------------------------------|-----------|---------------------|---------------------------------|----------------|----------------------------|-----------------|----------------|
| Part number                              | 1390953                         | 1390952   | 1390959             | 1390955                         | 1390556        | 1390957                    | 1390958         | 1390960        |
| Lamp                                     | no                              | yes       | no                  | no                              | yes            | no                         | yes             | no             |
| Safety outputs *                         | Relè - 2 NA + 1 NC 2A - 250 Vca |           |                     | Relè - 4 NA + 1 NC 2A - 250 Vca |                | 2 OSSD 2 PNP 400mA - 24Vcc |                 |                |
| For light curtains models...             | All excepted S version          |           | S and S TRX version | All excepted S version          |                |                            | S TRX-A version |                |
| Override                                 | yes                             |           | no                  | yes                             |                |                            | no              |                |
| I/O modules connection                   | no                              |           |                     | yes                             |                |                            | no              |                |
| Receiver or TRX active element connector | CFF12Px                         |           | CFF8Px              | CFF12Px                         |                |                            | CJBEx           |                |
| Emitter connector                        | CFM5Px                          |           |                     | CFM5Px                          |                |                            | no              |                |
| Aux. lamp connector                      | no                              | CFM5Px    | no                  | CFM5Px                          | no             | CFM5Px                     | no              |                |
| I/O module connector                     | no                              |           |                     | no                              |                |                            | CFM5Px          |                |

\* Each NO safety output line is interrupted twice by the integrated relays



### Resolution 14 mm

|                               |          |          |          |          |          |           |           |           |           |           |           |           |
|-------------------------------|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| SM versions                   | SM 301   | SM 451   | SM 601   | SM 751   | SM 901   | SM 1051   | SM 1201   | SM 1351   | SM 1501   | SM 1651   | SM 1801   | SM 1951   |
| Part number                   | 1390021  | 1390022  | 1390023  | 1390024  | 1390025  | 1390026   | 1390027   | 1390028   | 1390029   | 1390030   | 1390031   | 1390032   |
| SMO versions                  | SMO 301  | SMO 451  | SMO 601  | SMO 751  | SMO 901  | SMO 1051  | SMO 1201  | SMO 1351  | SMO 1501  | SMO 1651  | SMO 1801  | SMO 1951  |
| Part number                   | 1390041  | 1390042  | 1390043  | 1390044  | 1390045  | 1390046   | 1390047   | 1390048   | 1390049   | 1390050   | 1390051   | 1390052   |
| SMPO versions                 | SMPO 301 | SMPO 451 | SMPO 601 | SMPO 751 | SMPO 901 | SMPO 1051 | SMPO 1201 | SMPO 1351 | SMPO 1501 | SMPO 1651 | SMPO 1801 | SMPO 1951 |
| Part number                   | 1390081  | 1390082  | 1390083  | 1390084  | 1390085  | 1390086   | 1390087   | 1390088   | 1390089   | 1390090   | 1390091   | 1390092   |
| Protected height (mm)         | 310      | 460      | 610      | 760      | 910      | 1060      | 1210      | 1360      | 1510      | 1660      | 1810      | 1960      |
| Number of beams               | 30       | 45       | 60       | 75       | 90       | 105       | 120       | 135       | 150       | 165       | 180       | 195       |
| Overall height with lamp (mm) | 420      | 570      | 720      | 870      | 1020     | 1170      | 1320      | 1470      | 1620      | 1770      | 1920      | 2070      |



### Resolution 30 mm

|                               |          |          |          |          |          |           |           |           |           |           |           |           |           |           |
|-------------------------------|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| SM versions                   | SM 303   | SM 453   | SM 603   | SM 753   | SM 903   | SM 1053   | SM 1203   | SM 1353   | SM 1503   | SM 1653   | SM 1803   | SM 1953   | SM 2103   | SM 2253   |
| Part number                   | 1390221  | 1390222  | 1390223  | 1390224  | 1390225  | 1390226   | 1390227   | 1390228   | 1390229   | 1390230   | 1390231   | 1390232   | 1390233   | 1390234   |
| SMO versions                  | SMO 303  | SMO 453  | SMO 603  | SMO 753  | SMO 903  | SMO 1053  | SMO 1203  | SMO 1353  | SMO 1503  | SMO 1653  | SMO 1803  | SMO 1953  | SMO 2103  | SMO 2253  |
| Part number                   | 1390241  | 1390242  | 1390243  | 1390244  | 1390245  | 1390246   | 1390247   | 1390248   | 1390249   | 1390250   | 1390251   | 1390252   | 1390253   | 1390254   |
| SMPO versions                 | SMPO 303 | SMPO 453 | SMPO 603 | SMPO 753 | SMPO 903 | SMPO 1053 | SMPO 1203 | SMPO 1353 | SMPO 1503 | SMPO 1653 | SMPO 1803 | SMPO 1953 | SMPO 2103 | SMPO 2253 |
| Part number                   | 1390281  | 1390282  | 1390283  | 1390284  | 1390285  | 1390286   | 1390287   | 1390288   | 1390289   | 1390290   | 1390291   | 1390292   | 1390293   | 1390294   |
| Protected height (mm)         | 310      | 460      | 610      | 760      | 910      | 1060      | 1210      | 1360      | 1510      | 1660      | 1810      | 1960      | 2110      | 2260      |
| Number of beams               | 16       | 23       | 31       | 38       | 46       | 53        | 61        | 68        | 76        | 83        | 91        | 98        | 106       | 113       |
| Overall height with lamp (mm) | 420      | 570      | 720      | 870      | 1020     | 1170      | 1320      | 1470      | 1620      | 1770      | 1920      | 2070      | 2220      | 2370      |



### Resolution 40 mm

|                               |          |          |          |          |          |           |           |           |           |           |           |           |           |           |
|-------------------------------|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| SM versions                   | SM 304   | SM 454   | SM 604   | SM 754   | SM 904   | SM 1054   | SM 1204   | SM 1354   | SM 1504   | SM 1654   | SM 1804   | SM 1954   | SM 2104   | SM 2254   |
| Part number                   | 1390321  | 1390322  | 1390323  | 1390324  | 1390325  | 1390326   | 1390327   | 1390328   | 1390329   | 1390330   | 1390331   | 1390332   | 1390333   | 1390334   |
| SMO versions                  | SMO 304  | SMO 454  | SMO 604  | SMO 754  | SMO 904  | SMO 1054  | SMO 1204  | SMO 1354  | SMO 1504  | SMO 1654  | SMO 1804  | SMO 1954  | SMO 2104  | SMO 2254  |
| Part number                   | 1390341  | 1390342  | 1390343  | 1390344  | 1390345  | 1390346   | 1390347   | 1390348   | 1390349   | 1390350   | 1390351   | 1390352   | 1390353   | 1390354   |
| SMPO versions                 | SMPO 304 | SMPO 454 | SMPO 604 | SMPO 754 | SMPO 904 | SMPO 1054 | SMPO 1204 | SMPO 1354 | SMPO 1504 | SMPO 1654 | SMPO 1804 | SMPO 1954 | SMPO 2104 | SMPO 2254 |
| Part number                   | 1390381  | 1390382  | 1390383  | 1390384  | 1390385  | 1390386   | 1390387   | 1390388   | 1390389   | 1390390   | 1390391   | 1390392   | 1390393   | 1390394   |
| Protected height (mm)         | 310      | 460      | 610      | 760      | 910      | 1060      | 1210      | 1360      | 1510      | 1660      | 1810      | 1960      | 2110      | 2260      |
| Number of beams               | 11       | 16       | 21       | 26       | 31       | 36        | 41        | 46        | 51        | 56        | 61        | 66        | 71        | 76        |
| Overall height with lamp (mm) | 420      | 570      | 720      | 870      | 1020     | 1170      | 1320      | 1470      | 1620      | 1770      | 1920      | 2070      | 2220      | 2370      |



### 2, 3, 4 beams

|                               |         |         |         |
|-------------------------------|---------|---------|---------|
| S versions                    | S 2B    | S 3B    | S 4B    |
| Part number                   | 1390600 | 1390601 | 1390602 |
| SM versions                   | SM 2B   | SM 3B   | SM 4B   |
| Part number                   | 1390620 | 1390621 | 1390622 |
| SMO versions                  | SMO 2B  | SMO 3B  | SMO 4B  |
| Part number                   | 1390640 | 1390641 | 1390642 |
| SMPO versions                 | SMPO 2B | SMPO 3B | SMPO 4B |
| Part number                   | 1390680 | 1390681 | 1390682 |
| Number of beams               | 2       | 3       | 4       |
| Beams spacing (mm)            | 500     | 400     | 300     |
| Protect. height (mm)          | 510     | 810     | 910     |
| Overall height with lamp (mm) | 710     | 1010    | 1110    |



### 2, 3, 4 beams TRX

|                               |              |              |              |
|-------------------------------|--------------|--------------|--------------|
| S TRX versions                | S 2B TRX     | S 3B TRX     | S 4B TRX     |
| Part number                   | 1390610      | 1390611      | 1390612      |
| S TRX - A versions            | S 2B TRX - A | S 3B TRX - A | S 4B TRX - A |
| Part number                   | 1390616      | 1390617      | 1390618      |
| SM TRX versions               | SM 2B TRX    | SM 3B TRX    | SM 4B TRX    |
| Part number                   | 1390630      | 1390631      | 1390632      |
| SMO TRX versions              | SMO 2B TRX   | SMO 3B TRX   | SMO 4B TRX   |
| Part number                   | 1390650      | 1390651      | 1390652      |
| SMPO TRX versions             | SMPO 2B TRX  | SMPO 3B TRX  | SMPO 4B TRX  |
| Part number                   | 1390690      | 1390691      | 1390692      |
| Number of beams               | 2            | 3            | 4            |
| Beams spacing (mm)            | 500          | 400          | 300          |
| Protect. height (mm)          | 510          | 810          | 910          |
| Overall height with lamp (mm) | 699          | 970          | 1070         |



### 2, 3, 4 beams LR / LR ILP\*

|                               |              |              |              |
|-------------------------------|--------------|--------------|--------------|
| S LR versions                 | S 2B LR      | S 3B LR      | S 4B LR      |
| Part number                   | 1390013      | 1390014      | 1390015      |
| S LR ILP versions             | S 2B LR ILP  | S 3B LR ILP  | S 4B LR ILP  |
| Part number                   | 1390033      | 1390034      | 1390035      |
| SO LR versions                | SO 2B LR     | SO 3B LR     | SO 4B LR     |
| Part number                   | 1390016      | 1390017      | 1390018      |
| SO LR ILP versions            | SO 2B LR ILP | SO 3B LR ILP | SO 4B LR ILP |
| Part number                   | 1390036      | 1390037      | 1390038      |
| Number of beams               | 2            | 3            | 4            |
| Beams spacing (mm)            | 500          | 400          | 300          |
| Protect. height (mm)          | 510          | 810          | 910          |
| Overall height with lamp (mm) | 676          | 976          | 1076         |

Note: Overall height of versions without lamp (S, S TRX, SM, SM TRX) is 25 mm lower than indicated in the tables

\* Integrated laser pointer



## LONG RANGE AND BLANKING VERSIONS

### ADMIRAL AX LR / LR DB

LONG RANGE AND LONG RANGE DUAL-BEAM



Admiral Long Range including a special version featuring an innovative Dual-Beam System. Ideal for outdoor applications as it decreases the sensitivity of the light curtain from small objects that could accidentally interrupt the beams, i.e. birds or leaves but also heavy rain or snow.

- AX LR versions - Max. range: selectable 22 or 60 m
- AX LR DB versions - Max. range: selectable 25 or 80 m



2, 3, 4 beams

|                       | AX 2B LR | AX 3B LR | AX 4B LR | AX 2B LR DB | AX 3B LR DB | AX 4B LR DB |
|-----------------------|----------|----------|----------|-------------|-------------|-------------|
| Part number           | 1334603  | 1334604  | 1334605  | 1334606     | 1334607     | 1334608     |
| Nr. beams             | 2        | 3        | 4        | 2           | 3           | 4           |
| Protected height (mm) | 510      | 810      | 910      | 510         | 810         | 910         |
| Overall height (mm)   | 711      | 1011     | 1111     | 771         | 1072        | 1172        |

### CABLES NEEDED

Emitter: M12 5-pole (CDx)  
Receiver: M12 8-pole (C8Dx)

See page 33

### ADMIRAL AX LR WT / LR WTH / LR DB WTH

WITH IP67 WATERTIGHT ENCLOSURE



The IP67 watertight enclosure allows the light curtains to be used in harsh working environments with exposure to water and steam.

- AX LR WT / WTH models - Max. range: selectable 18 or 50 m
- AX LR DB WTH models - Max. range: selectable 20 or 60 m



2, 3, 4 beams

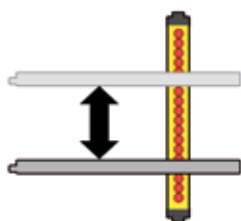
|                       | AX 2B LR WT                        | AX 3B LR WT | AX 4B LR WT | AX 2B LR WTH    | AX 3B LR WTH    | AX 4B LR WTH    |
|-----------------------|------------------------------------|-------------|-------------|-----------------|-----------------|-----------------|
| Part number           | 1134603                            | 1134604     | 1134605     | 1139603         | 1139604         | 1139605         |
| Nr. beams             | 2                                  | 3           | 4           | 2               | 3               | 4               |
| Protected height (mm) | 510                                | 810         | 910         | 510             | 810             | 910             |
| Overall height (mm)   | 841                                | 1141        | 1241        | 841             | 1141            | 1241            |
|                       |                                    |             |             | AX 2B LR DB WTH | AX 3B LR DB WTH | AX 3B LR DB WTH |
| Part number           |                                    |             |             | 1139606         | 1139607         | 1139645         |
| Nr. beams             |                                    |             |             | 2               | 3               | 4               |
| Protected height (mm) |                                    |             |             | 510             | 810             | 910             |
| Overall height (mm)   |                                    |             |             | 902             | 1202            | 1302            |
| Wiring                | Supplied with pre-wired 10 m cable |             |             |                 |                 |                 |

WT: watertight  
WTH: watertight + heated

Heated versions available

### ADMIRAL AX BK

WITH BLANKING FUNCTION



Built-in floating blanking function with 5 configuration options. Floating Blanking allows the detected object to move freely inside the light curtain's protected field, under the condition that the intercepted beams are adjacent and that their number is not higher than the configured one. The ideal light curtain for protecting press brakes, automatic machines and robotised areas, where

the material being processed or moving parts of the machine cross the field protected by the light curtain.

- Start/Restart interlock and EDM via external AD SR1 interface
- Protected heights: 160 mm ... 2160 mm
- Max. range: 18 m

Part numbers available on [reersafety.com](http://reersafety.com)

### CABLES NEEDED

Emitter: M12 5-pole (CDx)  
Receiver: M12 8-pole (C8Dx)

See page 33

