

WITH BUILT-IN CONTROL FUNCTIONS



Resolution (mm)	Start/Restart
14, 20, 30, 40, 50, 90	Manual or Automatic
Access control	Safety outputs
2, 3, 4 beams	2



Selectable manual/automatic Start/Restart.

Integrated feedback input, with selectable enabling, for external relays monitoring (EDM).

Connections and setting adjustments through M12 5-pole and 8-pole connectors. Unshielded cables up to 100 meters long can be used to connect the light curtain.

Protected heights: 160 mm ... 2260 mm.



TECHNICAL FEATURES

Max. range (m)	Selectable 3 or 6 for 14 mm resolution models Selectable 4 or 12 for all other models Selectable 10 or 20 for H models
Response time (ms)	2,5 ... 20
Safety outputs	2 PNP - 400 mA at 24 VDC with short-circuit, overload, polarity reversal protection
Status display	LEDs for light curtain's status and diagnostic
Power supply (VDC)	24 ± 20%
Fastening	Via back slot with provided standard brackets or to the top and lower end with optional rotating brackets. See Accessories

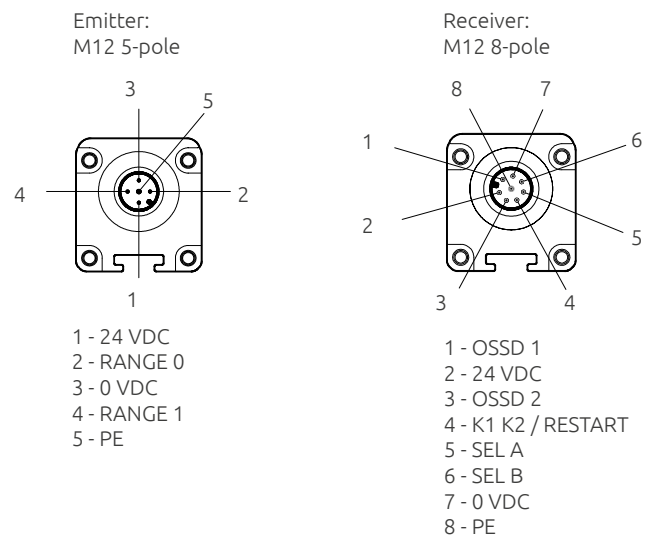
CABLES NEEDED

- Emitter: M12 5-pole.
See [page 44](#) (CDx CDxSB, CD 9x, CDM 9, CDM99)
- Receiver: M12 8-pole.
See [page 47](#) (C8D x, C8S X SB, C8D 9x, C8DM 9, C8DM 11)

ACCESSORIES

- Safety relay. See [AD SR0 - AD SR0A on page 43](#)
- Support columns. See [page 49](#)
- Deflecting mirrors. See [page 53](#)
- Laser alignment device. See [LAD 4 on page 56](#)
- Vibration dampers. See [page 58](#)
- Brackets. See [page 54](#)

CONNECTORS



EOS4 X - XH

WITH BUILT-IN CONTROL FUNCTIONS

PART NUMBERS

Finger resolution X Models - Max. range: selectable 3 or 6 m



Resolution 14 mm	EOS4 151 X	EOS4 301 X	EOS4 451 X	EOS4 601 X	EOS4 751 X	EOS4 901 X	EOS4 1051 X	EOS4 1201 X	EOS4 1351 X	EOS4 1501 X	EOS4 1651 X	EOS4 1801 X	EOS4 1951 X
Ordering codes	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
Nr. 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

Hand resolution X Models - Max. range: selectable 4 or 12 m
XH Models - Max. range: selectable 10 or 20 m



Resolution 20 mm	EOS4 152 XH	EOS4 302 XH	EOS4 452 XH	EOS4 602 XH	EOS4 752 XH	EOS4 902 XH	EOS4 1052 XH	EOS4 1202 XH	EOS4 1352 XH	EOS4 1502 XH	EOS4 1652 XH	EOS4 1802 XH	EOS4 1952 XH
Ordering codes	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
Nr. 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	EOS4 153 X	EOS4 253 X	EOS4 303 X	EOS4 453 X	EOS4 603 X	EOS4 753 X	EOS4 903 X	EOS4 1053 X	EOS4 1203 X	EOS4 1353 X	EOS4 1503 X	EOS4 1653 X	EOS4 1803 X	EOS4 1953 X	EOS4 2103 X	EOS4 2253 X
Ordering codes	1310210	1311200	1310211	1310212	1310213	1310214	1310215	1310216	1310217	1310218	1310219	1310272	1310273	1310733	1310734	1310735
Resolution 30 mm	EOS4 153 XH	-	EOS4 303 XH	EOS4 453 XH	EOS4 603 XH	EOS4 753 XH	EOS4 903 XH	EOS4 1053 XH	EOS4 1203 XH	EOS4 1353 XH	EOS4 1503 XH	EOS4 1653 XH	EOS4 1803 XH	EOS4 1953 XH	EOS4 2103 XH	EOS4 2253 XH
Ordering codes	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
Nr. 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	EOS4 154 X	EOS4 254 X	EOS4 304 X	EOS4 454 X	EOS4 604 X	EOS4 754 X	EOS4 904 X	EOS4 1054 X	EOS4 1204 X	EOS4 1354 X	EOS4 1504 X	EOS4 1654 X	EOS4 1804 X	EOS4 1954 X	EOS4 2104 X	EOS4 2254 X
Ordering codes	1310310	1311209	1310311	1310312	1310313	1310314	1310315	1310316	1310317	1310318	1310319	1310372	1310373	1310751	1310752	1310753
Resolution 40 mm	EOS4 154 XH	-	EOS 304 XH	EOS4 454 XH	EOS4 604 XH	EOS4 754 XH	EOS4 904 XH	EOS4 1054 XH	EOS4 1204 XH	EOS4 1354 XH	EOS4 1504 XH	EOS4 1654 XH	EOS4 1803 XH	EOS4 1954 XH	EOS4 2104 XH	EOS4 2254 XH
Ordering codes	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
Nr. 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

Body resolution X Models - Max. range: selectable 4 or 12 m
XH Models - Max. range: selectable 10 or 20 m



Resolution 50 mm	EOS4 155 X	EOS4 305 X	EOS4 455 X	EOS4 605 X	EOS4 755 X	EOS4 905 X	EOS4 1055 X	EOS4 1205 X	EOS4 1355 X	EOS4 1505 X	EOS4 1655 X	EOS4 1805 X	EOS4 1955 X	EOS4 2105 X	EOS4 2255 X
Ordering codes	1310410	1310411	1310412	1310413	1310414	1310415	1310416	1310417	1310418	1310419	1310472	1310473	1310772	1310773	1310774
Resolution 50 mm	EOS4 155 XH	EOS4 305 XH	EOS4 455 XH	EOS4 605 XH	EOS4 755 XH	EOS4 905 XH	EOS4 1055 XH	EOS4 1205 XH	EOS4 1355 XH	EOS4 1505 XH	EOS4 1655 XH	EOS4 1805 XH	EOS4 1955 XH	EOS4 2105 XH	EOS4 2255 XH
Ordering codes	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
Nr. of beams	4	8	12	16	20	24	28	32	36	40	44	48	52	56	60
Overall height (mm)	213	363	513	663	813	963	1113	1263	1413	1563	1713	1863	2013	2163	2313



Resolution 90 mm	-	EOS4 309 X	EOS4 459 X	EOS4 609 X	EOS4 759 X	EOS4 909 X	EOS4 1059 X	EOS4 1209 X	EOS4 1359 X	EOS4 1509 X	EOS4 1659 X	EOS4 1809 X	EOS4 1959 X	EOS4 2109 X	EOS4 2259 X
Ordering codes		1310511	1310512	1310513	1310514	1310515	1310516	1310517	1310518	1310519	1310572	1310573	1310793	1310707	1310794
Resolution 90 mm	-	EOS4 309 XH	EOS4 459 XH	EOS4 609 XH	EOS4 759 XH	EOS4 909 XH	EOS4 1059 XH	EOS4 1209 XH	EOS4 1359 XH	EOS4 1509 XH	EOS4 1659 XH	EOS4 1809 XH	EOS4 1959 XH	EOS4 2109 XH	EOS4 2259 XH
Ordering codes		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
Nr. 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

Access control X Models - Max. range: selectable 4 or 12 m
XH Models - Max. range: selectable 10 or 20 m



2, 3, 4 beams	EOS4 2B X	EOS4 3B X	EOS4 4B X
Ordering codes	1310610	1310611	1310612
2, 3, 4 beams	EOS4 2B XH	EOS4 3B XH	EOS4 4B XH
Ordering codes	1310660	1310661	1310662
Nr. of beams	2	3	4
Beam spacing (mm)	500	400	300
Protected height (mm)	510	810	910
Overall height (mm)	653	953	1053