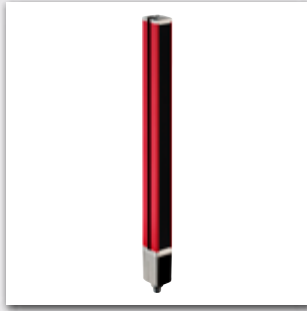
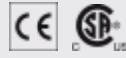


/// CSL 710



The CSL 710 is a switching light curtain with selectable resolution, various measurement field lengths and many useful technical details such as, e. g., a display for simple alignment.

**Benefits:**

- Operating range of up to 6 m for larger function reserve
- Response time of 30 µs per beam for the reliable detection of fast processes
- Large, easy-to-read display in 5 languages for easy alignment and configuration
- Maximum measurement field length of nearly 3 m for measurement on large objects
- Sturdy metal housing also for use in rough industrial environments
- Connection via M12 connector for fast installation
- 4 configurable inputs or outputs

Part no.	Part description	Beam spacing	Measurement field length	No. of beams	Operating range	Switching output	Connection	Special design
50128977	▶ CSL710-T05-160.A-M12	5 mm	160 mm	32x	0.1 ... 3 m		Connector, M12, 5-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50128889	◀ CSL710-R05-160.A/L-M12	5 mm	160 mm	32x		Inputs/outputs selectable	Connector, M12, 8-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50128978	▶ CSL710-T05-240.A-M12	5 mm	240 mm	48x	0.1 ... 3 m		Connector, M12, 5-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50128890	◀ CSL710-R05-240.A/L-M12	5 mm	240 mm	48x		Inputs/outputs selectable	Connector, M12, 8-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50128979	▶ CSL710-T05-320.A-M12	5 mm	320 mm	64x	0.1 ... 3 m		Connector, M12, 5-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50128891	◀ CSL710-R05-320.A/L-M12	5 mm	320 mm	64x		Inputs/outputs selectable	Connector, M12, 8-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50128980	▶ CSL710-T05-400.A-M12	5 mm	400 mm	80x	0.1 ... 3 m		Connector, M12, 5-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50128892	◀ CSL710-R05-400.A/L-M12	5 mm	400 mm	80x		Inputs/outputs selectable	Connector, M12, 8-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50128981	▶ CSL710-T05-480.A-M12	5 mm	480 mm	96x	0.1 ... 3 m		Connector, M12, 5-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50128893	◀ CSL710-R05-480.A/L-M12	5 mm	480 mm	96x		Inputs/outputs selectable	Connector, M12, 8-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50128982	▶ CSL710-T05-560.A-M12	5 mm	560 mm	112x	0.1 ... 3 m		Connector, M12, 5-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50128894	◀ CSL710-R05-560.A/L-M12	5 mm	560 mm	112x		Inputs/outputs selectable	Connector, M12, 8-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50128983	▶ CSL710-T05-640.A-M12	5 mm	640 mm	128x	0.1 ... 3 m		Connector, M12, 5-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50128895	◀ CSL710-R05-640.A/L-M12	5 mm	640 mm	128x		Inputs/outputs selectable	Connector, M12, 8-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50128984	▶ CSL710-T05-720.A-M12	5 mm	720 mm	144x	0.1 ... 3 m		Connector, M12, 5-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50128896	◀ CSL710-R05-720.A/L-M12	5 mm	720 mm	144x		Inputs/outputs selectable	Connector, M12, 8-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50128985	▶ CSL710-T05-800.A-M12	5 mm	800 mm	160x	0.1 ... 3 m		Connector, M12, 5-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50128897	◀ CSL710-R05-800.A/L-M12	5 mm	800 mm	160x		Inputs/outputs selectable	Connector, M12, 8-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50128986	▶ CSL710-T05-880.A-M12	5 mm	880 mm	176x	0.1 ... 3 m		Connector, M12, 5-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50128898	◀ CSL710-R05-880.A/L-M12	5 mm	880 mm	176x		Inputs/outputs selectable	Connector, M12, 8-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning

▶ transmitter / ◀ receiver

Part no.	Part description	Beam spacing	Measurement field length	No. of beams	Operating range	Switching output	Connection	Special design
50128987	▶ CSL710-T05-960.A-M12	5 mm	960 mm	192x	0.1 ... 3 m		Connector, M12, 5-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50128899	◀ CSL710-R05-960.A/L-M12	5 mm	960 mm	192x		Inputs/outputs selectable	Connector, M12, 8-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50128988	▶ CSL710-T05-1040.A-M12	5 mm	1,040 mm	208x	0.1 ... 3 m		Connector, M12, 5-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50128900	◀ CSL710-R05-1040.A/L-M12	5 mm	1,040 mm	208x		Inputs/outputs selectable	Connector, M12, 8-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50128989	▶ CSL710-T05-1120.A-M12	5 mm	1,120 mm	224x	0.1 ... 3 m		Connector, M12, 5-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50128901	◀ CSL710-R05-1120.A/L-M12	5 mm	1,120 mm	224x		Inputs/outputs selectable	Connector, M12, 8-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50128990	▶ CSL710-T05-1200.A-M12	5 mm	1,200 mm	240x	0.1 ... 3 m		Connector, M12, 5-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50128902	◀ CSL710-R05-1200.A/L-M12	5 mm	1,200 mm	240x		Inputs/outputs selectable	Connector, M12, 8-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50128991	▶ CSL710-T05-1280.A-M12	5 mm	1,280 mm	256x	0.1 ... 3 m		Connector, M12, 5-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50128903	◀ CSL710-R05-1280.A/L-M12	5 mm	1,280 mm	256x		Inputs/outputs selectable	Connector, M12, 8-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50128992	▶ CSL710-T05-1360.A-M12	5 mm	1,360 mm	272x	0.1 ... 3 m		Connector, M12, 5-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50128904	◀ CSL710-R05-1360.A/L-M12	5 mm	1,360 mm	272x		Inputs/outputs selectable	Connector, M12, 8-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50128993	▶ CSL710-T05-1440.A-M12	5 mm	1,440 mm	288x	0.1 ... 3 m		Connector, M12, 5-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50128905	◀ CSL710-R05-1440.A/L-M12	5 mm	1,440 mm	288x		Inputs/outputs selectable	Connector, M12, 8-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50128994	▶ CSL710-T05-1520.A-M12	5 mm	1,520 mm	304x	0.1 ... 3 m		Connector, M12, 5-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50128906	◀ CSL710-R05-1520.A/L-M12	5 mm	1,520 mm	304x		Inputs/outputs selectable	Connector, M12, 8-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50128995	▶ CSL710-T05-1600.A-M12	5 mm	1,600 mm	320x	0.1 ... 3 m		Connector, M12, 5-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50128907	◀ CSL710-R05-1600.A/L-M12	5 mm	1,600 mm	320x		Inputs/outputs selectable	Connector, M12, 8-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50128996	▶ CSL710-T05-1680.A-M12	5 mm	1,680 mm	336x	0.1 ... 3 m		Connector, M12, 5-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50128908	◀ CSL710-R05-1680.A/L-M12	5 mm	1,680 mm	336x		Inputs/outputs selectable	Connector, M12, 8-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50128997	▶ CSL710-T05-1760.A-M12	5 mm	1,760 mm	352x	0.1 ... 3 m		Connector, M12, 5-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50128909	◀ CSL710-R05-1760.A/L-M12	5 mm	1,760 mm	352x		Inputs/outputs selectable	Connector, M12, 8-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50128998	▶ CSL710-T05-1840.A-M12	5 mm	1,840 mm	368x	0.1 ... 3 m		Connector, M12, 5-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50128910	◀ CSL710-R05-1840.A/L-M12	5 mm	1,840 mm	368x		Inputs/outputs selectable	Connector, M12, 8-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50128999	▶ CSL710-T05-1920.A-M12	5 mm	1,920 mm	384x	0.1 ... 3 m		Connector, M12, 5-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50128911	◀ CSL710-R05-1920.A/L-M12	5 mm	1,920 mm	384x		Inputs/outputs selectable	Connector, M12, 8-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50129000	▶ CSL710-T05-2000.A-M12	5 mm	2,000 mm	400x	0.1 ... 3 m		Connector, M12, 5-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50128912	◀ CSL710-R05-2000.A/L-M12	5 mm	2,000 mm	400x		Inputs/outputs selectable	Connector, M12, 8-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50129001	▶ CSL710-T05-2080.A-M12	5 mm	2,080 mm	416x	0.1 ... 3 m		Connector, M12, 5-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50128913	◀ CSL710-R05-2080.A/L-M12	5 mm	2,080 mm	416x		Inputs/outputs selectable	Connector, M12, 8-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50129002	▶ CSL710-T05-2160.A-M12	5 mm	2,160 mm	432x	0.1 ... 3 m		Connector, M12, 5-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50128914	◀ CSL710-R05-2160.A/L-M12	5 mm	2,160 mm	432x		Inputs/outputs selectable	Connector, M12, 8-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning

▶ transmitter / ◀ receiver

Switching sensors

Measuring sensors

Products for safety at work

Identification

Data transmission / Control components

Industrial image processing

Accessories

Part no.	Part description	Beam spacing	Measurement field length	No. of beams	Operating range	Switching output	Connection	Special design
50129003	▶ CSL710-T05-2240.A-M12	5 mm	2,240 mm	448x	0.1 ... 3 m		Connector, M12, 5-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50128915	◀ CSL710-R05-2240.A/L-M12	5 mm	2,240 mm	448x		Inputs/outputs selectable	Connector, M12, 8-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50129004	▶ CSL710-T05-2320.A-M12	5 mm	2,320 mm	464x	0.1 ... 3 m		Connector, M12, 5-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50128916	◀ CSL710-R05-2320.A/L-M12	5 mm	2,320 mm	464x		Inputs/outputs selectable	Connector, M12, 8-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50129005	▶ CSL710-T05-2400.A-M12	5 mm	2,400 mm	480x	0.1 ... 3 m		Connector, M12, 5-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50128917	◀ CSL710-R05-2400.A/L-M12	5 mm	2,400 mm	480x		Inputs/outputs selectable	Connector, M12, 8-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50129006	▶ CSL710-T05-2480.A-M12	5 mm	2,480 mm	496x	0.1 ... 3 m		Connector, M12, 5-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50128918	◀ CSL710-R05-2480.A/L-M12	5 mm	2,480 mm	496x		Inputs/outputs selectable	Connector, M12, 8-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50129007	▶ CSL710-T05-2560.A-M12	5 mm	2,560 mm	512x	0.1 ... 3 m		Connector, M12, 5-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50128919	◀ CSL710-R05-2560.A/L-M12	5 mm	2,560 mm	512x		Inputs/outputs selectable	Connector, M12, 8-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50129008	▶ CSL710-T05-2640.A-M12	5 mm	2,640 mm	528x	0.1 ... 3 m		Connector, M12, 5-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50128920	◀ CSL710-R05-2640.A/L-M12	5 mm	2,640 mm	528x		Inputs/outputs selectable	Connector, M12, 8-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50129009	▶ CSL710-T05-2720.A-M12	5 mm	2,720 mm	544x	0.1 ... 3 m		Connector, M12, 5-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50128921	◀ CSL710-R05-2720.A/L-M12	5 mm	2,720 mm	544x		Inputs/outputs selectable	Connector, M12, 8-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50129010	▶ CSL710-T05-2800.A-M12	5 mm	2,800 mm	560x	0.1 ... 3 m		Connector, M12, 5-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50128922	◀ CSL710-R05-2800.A/L-M12	5 mm	2,800 mm	560x		Inputs/outputs selectable	Connector, M12, 8-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50129011	▶ CSL710-T05-2880.A-M12	5 mm	2,880 mm	576x	0.1 ... 3 m		Connector, M12, 5-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50128923	◀ CSL710-R05-2880.A/L-M12	5 mm	2,880 mm	576x		Inputs/outputs selectable	Connector, M12, 8-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50129012	▶ CSL710-T05-2960.A-M12	5 mm	2,960 mm	592x	0.1 ... 3 m		Connector, M12, 5-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50128924	◀ CSL710-R05-2960.A/L-M12	5 mm	2,960 mm	592x		Inputs/outputs selectable	Connector, M12, 8-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50129013	▶ CSL710-T10-160.A-M12	10 mm	160 mm	16x	0.3 ... 6 m		Connector, M12, 5-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50128929	◀ CSL710-R10-160.A/L-M12	10 mm	160 mm	16x		Inputs/outputs selectable	Connector, M12, 8-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50129014	▶ CSL710-T10-320.A-M12	10 mm	320 mm	32x	0.3 ... 6 m		Connector, M12, 5-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50128930	◀ CSL710-R10-320.A/L-M12	10 mm	320 mm	32x		Inputs/outputs selectable	Connector, M12, 8-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50129015	▶ CSL710-T10-480.A-M12	10 mm	480 mm	48x	0.3 ... 6 m		Connector, M12, 5-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50128931	◀ CSL710-R10-480.A/L-M12	10 mm	480 mm	48x		Inputs/outputs selectable	Connector, M12, 8-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50129016	▶ CSL710-T10-640.A-M12	10 mm	640 mm	64x	0.3 ... 6 m		Connector, M12, 5-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50128932	◀ CSL710-R10-640.A/L-M12	10 mm	640 mm	64x		Inputs/outputs selectable	Connector, M12, 8-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50129017	▶ CSL710-T10-800.A-M12	10 mm	800 mm	80x	0.3 ... 6 m		Connector, M12, 5-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50128933	◀ CSL710-R10-800.A/L-M12	10 mm	800 mm	80x		Inputs/outputs selectable	Connector, M12, 8-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning

▶ transmitter / ◀ receiver

Part no.	Part description	Beam spacing	Measurement field length	No. of beams	Operating range	Switching output	Connection	Special design
50129018	► CSL710-T10-960.A-M12	10 mm	960 mm	96x	0.3 ... 6 m		Connector, M12, 5-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50128934	◄ CSL710-R10-960.A/L-M12	10 mm	960 mm	96x		Inputs/outputs selectable	Connector, M12, 8-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50129019	► CSL710-T10-1120.A-M12	10 mm	1,120 mm	112x	0.3 ... 6 m		Connector, M12, 5-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50128935	◄ CSL710-R10-1120.A/L-M12	10 mm	1,120 mm	112x		Inputs/outputs selectable	Connector, M12, 8-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50129020	► CSL710-T10-1280.A-M12	10 mm	1,280 mm	128x	0.3 ... 6 m		Connector, M12, 5-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50128936	◄ CSL710-R10-1280.A/L-M12	10 mm	1,280 mm	128x		Inputs/outputs selectable	Connector, M12, 8-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50129021	► CSL710-T10-1440.A-M12	10 mm	1,440 mm	144x	0.3 ... 6 m		Connector, M12, 5-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50128937	◄ CSL710-R10-1440.A/L-M12	10 mm	1,440 mm	144x		Inputs/outputs selectable	Connector, M12, 8-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50129022	► CSL710-T10-1600.A-M12	10 mm	1,600 mm	160x	0.3 ... 6 m		Connector, M12, 5-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50128938	◄ CSL710-R10-1600.A/L-M12	10 mm	1,600 mm	160x		Inputs/outputs selectable	Connector, M12, 8-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50129023	► CSL710-T10-1760.A-M12	10 mm	1,760 mm	176x	0.3 ... 6 m		Connector, M12, 5-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50128939	◄ CSL710-R10-1760.A/L-M12	10 mm	1,760 mm	176x		Inputs/outputs selectable	Connector, M12, 8-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50129024	► CSL710-T10-1920.A-M12	10 mm	1,920 mm	192x	0.3 ... 6 m		Connector, M12, 5-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50128940	◄ CSL710-R10-1920.A/L-M12	10 mm	1,920 mm	192x		Inputs/outputs selectable	Connector, M12, 8-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50129025	► CSL710-T10-2080.A-M12	10 mm	2,080 mm	208x	0.3 ... 6 m		Connector, M12, 5-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50128941	◄ CSL710-R10-2080.A/L-M12	10 mm	2,080 mm	208x		Inputs/outputs selectable	Connector, M12, 8-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50129026	► CSL710-T10-2240.A-M12	10 mm	2,240 mm	224x	0.3 ... 6 m		Connector, M12, 5-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50128942	◄ CSL710-R10-2240.A/L-M12	10 mm	2,240 mm	224x		Inputs/outputs selectable	Connector, M12, 8-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50129027	► CSL710-T10-2400.A-M12	10 mm	2,400 mm	240x	0.3 ... 6 m		Connector, M12, 5-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50128943	◄ CSL710-R10-2400.A/L-M12	10 mm	2,400 mm	240x		Inputs/outputs selectable	Connector, M12, 8-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50129028	► CSL710-T10-2560.A-M12	10 mm	2,560 mm	256x	0.3 ... 6 m		Connector, M12, 5-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50128944	◄ CSL710-R10-2560.A/L-M12	10 mm	2,560 mm	256x		Inputs/outputs selectable	Connector, M12, 8-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50129029	► CSL710-T10-2720.A-M12	10 mm	2,720 mm	272x	0.3 ... 6 m		Connector, M12, 5-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50128945	◄ CSL710-R10-2720.A/L-M12	10 mm	2,720 mm	272x		Inputs/outputs selectable	Connector, M12, 8-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50129030	► CSL710-T10-2880.A-M12	10 mm	2,880 mm	288x	0.3 ... 6 m		Connector, M12, 5-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50128946	◄ CSL710-R10-2880.A/L-M12	10 mm	2,880 mm	288x		Inputs/outputs selectable	Connector, M12, 8-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50129031	► CSL710-T20-150.A-M12	20 mm	150 mm	8x	0.3 ... 6 m		Connector, M12, 5-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50128948	◄ CSL710-R20-150.A/L-M12	20 mm	150 mm	8x		Inputs/outputs selectable	Connector, M12, 8-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50129032	► CSL710-T20-310.A-M12	20 mm	310 mm	16x	0.3 ... 6 m		Connector, M12, 5-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50128949	◄ CSL710-R20-310.A/L-M12	20 mm	310 mm	16x		Inputs/outputs selectable	Connector, M12, 8-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning

► transmitter / ◄ receiver

Switching sensors

Measuring sensors

Products for safety at work

Identification

Data transmission / Control components

Industrial image processing

Accessories

Part no.	Part description	Beam spacing	Measurement field length	No. of beams	Operating range	Switching output	Connection	Special design
50129033	▶ CSL710-T20-470.A-M12	20 mm	470 mm	24x	0.3 ... 6 m		Connector, M12, 5-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50128950	◀ CSL710-R20-470.A/L-M12	20 mm	470 mm	24x		Inputs/outputs selectable	Connector, M12, 8-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50129034	▶ CSL710-T20-630.A-M12	20 mm	630 mm	32x	0.3 ... 6 m		Connector, M12, 5-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50128951	◀ CSL710-R20-630.A/L-M12	20 mm	630 mm	32x		Inputs/outputs selectable	Connector, M12, 8-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50129035	▶ CSL710-T20-790.A-M12	20 mm	790 mm	40x	0.3 ... 6 m		Connector, M12, 5-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50128952	◀ CSL710-R20-790.A/L-M12	20 mm	790 mm	40x		Inputs/outputs selectable	Connector, M12, 8-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50129036	▶ CSL710-T20-950.A-M12	20 mm	950 mm	48x	0.3 ... 6 m		Connector, M12, 5-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50128953	◀ CSL710-R20-950.A/L-M12	20 mm	950 mm	48x		Inputs/outputs selectable	Connector, M12, 8-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50129037	▶ CSL710-T20-1110.A-M12	20 mm	1,110 mm	56x	0.3 ... 6 m		Connector, M12, 5-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50128954	◀ CSL710-R20-1110.A/L-M12	20 mm	1,110 mm	56x		Inputs/outputs selectable	Connector, M12, 8-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50129038	▶ CSL710-T20-1270.A-M12	20 mm	1,270 mm	64x	0.3 ... 6 m		Connector, M12, 5-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50128955	◀ CSL710-R20-1270.A/L-M12	20 mm	1,270 mm	64x		Inputs/outputs selectable	Connector, M12, 8-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50129039	▶ CSL710-T20-1430.A-M12	20 mm	1,430 mm	72x	0.3 ... 6 m		Connector, M12, 5-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50128956	◀ CSL710-R20-1430.A/L-M12	20 mm	1,430 mm	72x		Inputs/outputs selectable	Connector, M12, 8-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50129040	▶ CSL710-T20-1590.A-M12	20 mm	1,590 mm	80x	0.3 ... 6 m		Connector, M12, 5-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50128957	◀ CSL710-R20-1590.A/L-M12	20 mm	1,590 mm	80x		Inputs/outputs selectable	Connector, M12, 8-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50129041	▶ CSL710-T20-1750.A-M12	20 mm	1,750 mm	88x	0.3 ... 6 m		Connector, M12, 5-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50128958	◀ CSL710-R20-1750.A/L-M12	20 mm	1,750 mm	88x		Inputs/outputs selectable	Connector, M12, 8-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50129042	▶ CSL710-T20-1910.A-M12	20 mm	1,910 mm	96x	0.3 ... 6 m		Connector, M12, 5-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50128959	◀ CSL710-R20-1910.A/L-M12	20 mm	1,910 mm	96x		Inputs/outputs selectable	Connector, M12, 8-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50129043	▶ CSL710-T20-2070.A-M12	20 mm	2,070 mm	104x	0.3 ... 6 m		Connector, M12, 5-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50128960	◀ CSL710-R20-2070.A/L-M12	20 mm	2,070 mm	104x		Inputs/outputs selectable	Connector, M12, 8-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50129044	▶ CSL710-T20-2230.A-M12	20 mm	2,230 mm	112x	0.3 ... 6 m		Connector, M12, 5-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50128961	◀ CSL710-R20-2230.A/L-M12	20 mm	2,230 mm	112x		Inputs/outputs selectable	Connector, M12, 8-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50129045	▶ CSL710-T20-2390.A-M12	20 mm	2,390 mm	120x	0.3 ... 6 m		Connector, M12, 5-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50128962	◀ CSL710-R20-2390.A/L-M12	20 mm	2,390 mm	120x		Inputs/outputs selectable	Connector, M12, 8-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50129046	▶ CSL710-T20-2550.A-M12	20 mm	2,550 mm	128x	0.3 ... 6 m		Connector, M12, 5-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50128963	◀ CSL710-R20-2550.A/L-M12	20 mm	2,550 mm	128x		Inputs/outputs selectable	Connector, M12, 8-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50129047	▶ CSL710-T20-2710.A-M12	20 mm	2,710 mm	136x	0.3 ... 6 m		Connector, M12, 5-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50128964	◀ CSL710-R20-2710.A/L-M12	20 mm	2,710 mm	136x		Inputs/outputs selectable	Connector, M12, 8-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning

▶ transmitter / ◀ receiver

Part no.	Part description	Beam spacing	Measurement field length	No. of beams	Operating range	Switching output	Connection	Special design
50129048	▶ CSL710-T20-2870.A-M12	20 mm	2,870 mm	144x	0.3 ... 6 m		Connector, M12, 5-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50128965	◀ CSL710-R20-2870.A/L-M12	20 mm	2,870 mm	144x		Inputs/outputs selectable	Connector, M12, 8-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50129049	▶ CSL710-T40-290.A-M12	40 mm	290 mm	8x	0.3 ... 6 m		Connector, M12, 5-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50128967	◀ CSL710-R40-290.A/L-M12	40 mm	290 mm	8x		Inputs/outputs selectable	Connector, M12, 8-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50129050	▶ CSL710-T40-610.A-M12	40 mm	610 mm	16x	0.3 ... 6 m		Connector, M12, 5-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50128968	◀ CSL710-R40-610.A/L-M12	40 mm	610 mm	16x		Inputs/outputs selectable	Connector, M12, 8-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50129051	▶ CSL710-T40-930.A-M12	40 mm	930 mm	24x	0.3 ... 6 m		Connector, M12, 5-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50128969	◀ CSL710-R40-930.A/L-M12	40 mm	930 mm	24x		Inputs/outputs selectable	Connector, M12, 8-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50129052	▶ CSL710-T40-1250.A-M12	40 mm	1,250 mm	32x	0.3 ... 6 m		Connector, M12, 5-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50128970	◀ CSL710-R40-1250.A/L-M12	40 mm	1,250 mm	32x		Inputs/outputs selectable	Connector, M12, 8-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50129053	▶ CSL710-T40-1570.A-M12	40 mm	1,570 mm	40x	0.3 ... 6 m		Connector, M12, 5-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50128971	◀ CSL710-R40-1570.A/L-M12	40 mm	1,570 mm	40x		Inputs/outputs selectable	Connector, M12, 8-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50129054	▶ CSL710-T40-1890.A-M12	40 mm	1,890 mm	48x	0.3 ... 6 m		Connector, M12, 5-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50128972	◀ CSL710-R40-1890.A/L-M12	40 mm	1,890 mm	48x		Inputs/outputs selectable	Connector, M12, 8-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50129055	▶ CSL710-T40-2210.A-M12	40 mm	2,210 mm	56x	0.3 ... 6 m		Connector, M12, 5-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50128973	◀ CSL710-R40-2210.A/L-M12	40 mm	2,210 mm	56x		Inputs/outputs selectable	Connector, M12, 8-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50129056	▶ CSL710-T40-2530.A-M12	40 mm	2,530 mm	64x	0.3 ... 6 m		Connector, M12, 5-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50128974	◀ CSL710-R40-2530.A/L-M12	40 mm	2,530 mm	64x		Inputs/outputs selectable	Connector, M12, 8-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50129057	▶ CSL710-T40-2850.A-M12	40 mm	2,850 mm	72x	0.3 ... 6 m		Connector, M12, 5-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning
50128975	◀ CSL710-R40-2850.A/L-M12	40 mm	2,850 mm	72x		Inputs/outputs selectable	Connector, M12, 8-pin	Parallel-beam scanning, diagonal-beam scanning, crossed-beam scanning

▶ transmitter / ◀ receiver

Switching sensors

Measuring sensors

Products for safety at work

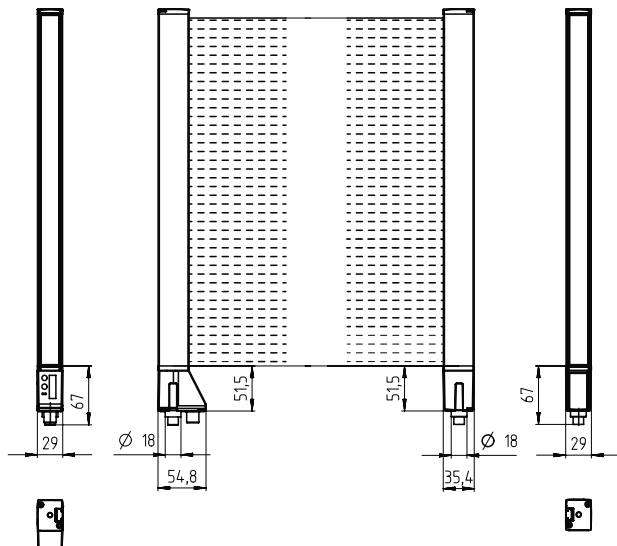
Identification

Data transmission / Control components

Industrial image processing

Accessories

Dimensioned drawings: CSL 710



CSL 710 switching light curtain, transmitter and receiver

ACCESSORIES: CSL 710

Connection technology

Connection cables

Part no.	Part description	Connection 1	No. of pins	Cable length	Sheathing material
50104591	K-D M12A-8P-2m-PUR	Connector, M12, axial, female	8-pin	2,000 mm	PUR
50104590	K-D M12A-8P-5m-PUR	Connector, M12, axial, female	8-pin	5,000 mm	PUR
50106882	K-D M12A-8P-10m-PUR	Connector, M12, axial, female	8-pin	10,000 mm	PUR

Further connection cables can be found on our website

Interconnection cables

Part no.	Part description	Connection 1	Connection 1, no. of pins	Connection 2	Connection 2, no. of pins	Cable length	Interface	Sheathing material
50120999	K-DS M12A-8P-4P-2m-L-PUR	Connector, M12, axial, female	8-pin	Connector, M12, axial, male	4-pin	2,000 mm		PUR
50121000	K-DS M12A-8P-4P-5m-L-PUR	Connector, M12, axial, female	8-pin	Connector, M12, axial, male	4-pin	5,000 mm		PUR
50129779	KDS DN-M12-5A-M12-5A-P3-010	Connector, M12, axial, female	5-pin	Connector, M12, axial, male	5-pin	1,000 mm	IO-Link, DeviceNet, CANopen	PUR
50129780	KDS DN-M12-5A-M12-5A-P3-020	Connector, M12, axial, female	5-pin	Connector, M12, axial, male	5-pin	2,000 mm	IO-Link, DeviceNet, CANopen	PUR
50129781	KDS DN-M12-5A-M12-5A-P3-050	Connector, M12, axial, female	5-pin	Connector, M12, axial, male	5-pin	5,000 mm	IO-Link, DeviceNet, CANopen	PUR
50129782	KDS DN-M12-5A-M12-5A-P3-100	Connector, M12, axial, female	5-pin	Connector, M12, axial, male	5-pin	10,000 mm	IO-Link, DeviceNet, CANopen	PUR
50129783	KDS DN-M12-5A-M12-5A-P3-200	Connector, M12, axial, female	5-pin	Connector, M12, axial, male	5-pin	20,000 mm	IO-Link, DeviceNet, CANopen	PUR

Further interconnection cables can be found on our website

User-configurable connectors

Part no.	Part description	Connection	No. of pins
429178	CB-M12-8GF	Connector, M12, axial, female	8-pin

Further connectors can be found on our website

IO-Link USB master

Part no.	Part description
50121098	SET MD12-US2-IL1.1 + acc.

Mounting systems

Mounting brackets

Part no.	Part description	Design	Fastening at device	Fastening at system	Material
429056	BT-2L	Angle, L-shape	Screw type	Through-hole mounting	Metal
429057	BT-2Z	Angle, Z-shape	Screw type	Through-hole mounting	Metal

Further mounting brackets can be found on our website

Swivel mounts

Part no.	Part description	Fastening at device	Fastening at system	Material
429046	BT-2R1	Clampable	Through-hole mounting	Metal, plastic

Further swivel mounts can be found on our website

Other mounting systems

Part no.	Part description	Description	Fastening at device	Fastening at system	Material	Contains
424417	BT-2P40	Holder set	Groove mounting	Groove mounting	Metal	
425740	BT-10NC60	Sliding block set	Groove mounting	Mounting thread	Metal	10x BT-NC sliding block
425741	BT-10NC64	Sliding block set	Groove mounting	Mounting thread	Metal	10x BT-NC-M4-M6 sliding block
425742	BT-10NC65	Sliding block set	Groove mounting	Mounting thread	Metal	10x BT-NC-M5-M6 sliding block

Further mounting systems can be found on our website