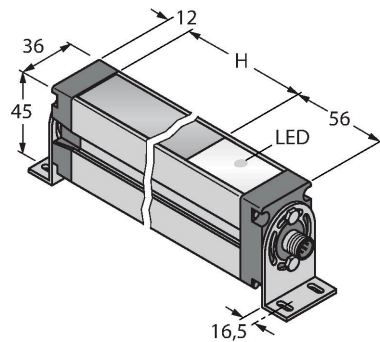


# EA5E1200Q

## Measuring Light Screen – Emitter



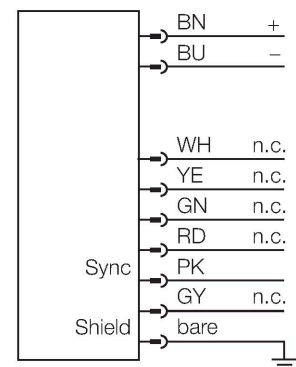
### Technical data

|                        |                       |
|------------------------|-----------------------|
| Type                   | EA5E1200Q             |
| ID                     | 3075430               |
| <b>Optical data</b>    |                       |
| Function               | Light screen          |
| Operating mode         | Emitter               |
| Light type             | IR                    |
| Optical resolution     | 5 mm                  |
| Range                  | 400...4000 mm         |
| Scan field             | 1200 mm               |
| Number of beams        | 240                   |
| <b>Electrical data</b> |                       |
| Operating voltage      | 12...30 VDC           |
| No-load current        | ≤ 400 mA              |
| Readiness delay        | ≤ 2 s                 |
| Blanking function      | yes                   |
| <b>Mechanical data</b> |                       |
| Design                 | Rectangular, EZ-Array |
| Dimensions             | 45.2 x 36 x 1278 mm   |
| Housing material       | Metal, AL, Anodized   |
| Lens                   | plastic, Acrylic      |
| Electrical connection  | Connector, M12 × 1    |
| Ambient temperature    | -40...+70 °C          |
| Protection class       | IP65                  |
| Power-on indication    | LED, Red              |
| Error indication       | Flashing              |
| <b>Tests/approvals</b> |                       |
| Approvals              | CE                    |

### Features

- Male M12 × 1, 8-pin
- Scan field 1200 mm
- Protection class IP65
- Resolution 5 mm
- Max. range 4 m
- 2 × EZA-MBK-11 brackets included in delivery
- Operating voltage 12...30 VDC

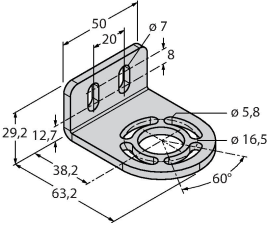
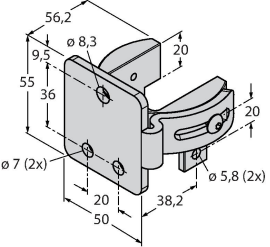
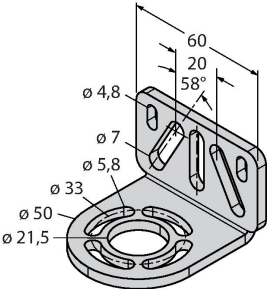
### Wiring diagram



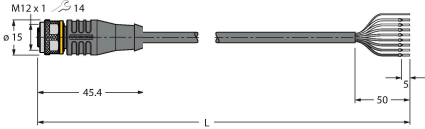
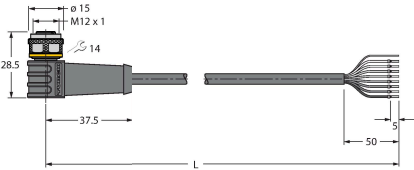
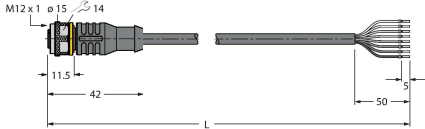
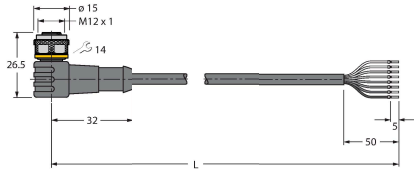
### Functional principle

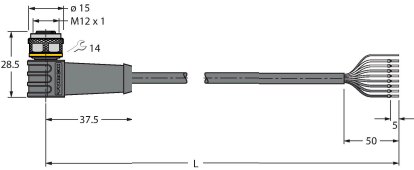
The measuring light screen EZ-Array is ideal for sizing and product profiling, edge and centre guiding, sag and hole detection as well as parts counting. The two-part light screen is easily installed. The electronics is incorporated in the receiver housing and can be configured via 6 DIP switches. For special functions, the screen can be adjusted via PC with the enclosed software. To synchronize emitter and receiver just interconnect the sync-outputs of both.

Accessories

|                                                                                   |                                                                                                     |                                                                                    |                                                                                                     |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|
| EZA-MBK-11                                                                        | 3071470                                                                                             | EZA-MBK-12                                                                         | 3071756                                                                                             |
|  | Mounting bracket, steel, black-finished, for EZ-ARRAY and EZ-SCREEN standard and cascade 14 & 30 mm |  | Mounting bracket, steel, black-finished, for EZ-ARRAY and EZ-SCREEN standard and cascade 14 & 30 mm |
| EZA-MBK-20                                                                        | 3072587                                                                                             |                                                                                    |                                                                                                     |
|  | Mounting bracket, steel, black-finished, for EZ-ARRAY and EZ-SCREEN standard 14 & 30 mm             |                                                                                    |                                                                                                     |

Accessories

| Dimension drawing                                                                   | Type        | ID      |                                                                                                                                                                                                                                      |
|-------------------------------------------------------------------------------------|-------------|---------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | RKS8T-2/TEL | 6625446 | Connection cable, M12 female connector, straight, 8-pin, cable length: 2 m, sheath material: PVC, black; shielded; cULus approval; other cable lengths and qualities available, see <a href="http://www.turck.com">www.turck.com</a> |
|  | WKS8T-2/TXL | 6625461 | Connection cable, M12 female connector, angled, 8-pin shielded, cable length: 2 m, jacket material: PUR, black; cULus approval; other cable lengths and qualities available, see <a href="http://www.turck.com">www.turck.com</a>    |
|  | RKC8T-2/TEL | 6625130 | Connection cable, M12 female, straight, 8-pin, cable length: 2 m, jacket material: PVC, black; cULus approval; other cable lengths and qualities available, see <a href="http://www.turck.com">www.turck.com</a>                     |
|  | WKC8T-2/TEL | 6625133 | Connection cable, M12 female connector, angled, 8-pin, cable length: 2 m, jacket material: PVC, black; cULus approval; other cable lengths and qualities available, see <a href="http://www.turck.com">www.turck.com</a>             |

| Dimension drawing                                                                 | Type        | ID      |                                                                                                                                                                                                                                    |
|-----------------------------------------------------------------------------------|-------------|---------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | WKS8T-2/TEL | 6625449 | Connection cable, M12 female connector, angled, 8-pin, cable length: 2 m, sheath material: PVC, black; shielded; cULus approval; other cable lengths and qualities available, see <a href="http://www.turck.com">www.turck.com</a> |