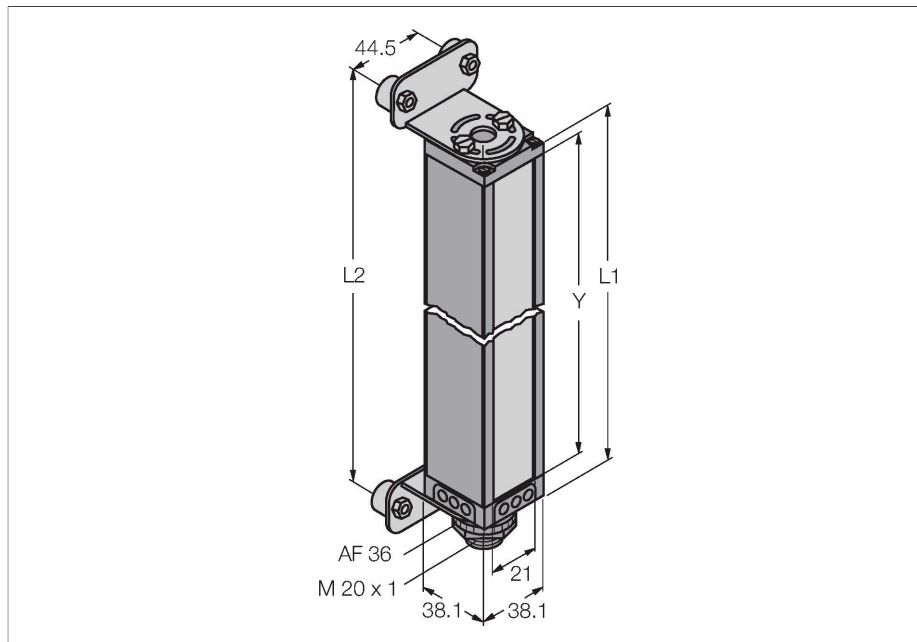


# MAE4216Q

## Measuring Light Screen – Emitter



### Features

- 150 mm cable with male connector, M12 × 1, 8-pin
- Scan field (Y): 1057 mm
- Resolution: 19 mm
- Range: 16.5 m
- Operating voltage: 16...30 VDC

### Technical data

|                             |                                       |
|-----------------------------|---------------------------------------|
| Type                        | MAE4216Q                              |
| ID                          | 3072503                               |
| <b>Optical data</b>         |                                       |
| Function                    | Light screen                          |
| Operating mode              | Emitter                               |
| Light type                  | IR                                    |
| Optical resolution          | 9.5 mm                                |
| Range                       | 0...16500 mm                          |
| Scan field                  | 1057 mm                               |
| Number of beams             | 56                                    |
| <b>Electrical data</b>      |                                       |
| Operating voltage           | 16...30 VDC                           |
| Reverse polarity protection | yes                                   |
| Response time typical       | < 32 ms                               |
| <b>Mechanical data</b>      |                                       |
| Design                      | Rectangular, Mini Array               |
| Dimensions                  | 38.1 x 38.1 x 1146 mm                 |
| Housing material            | Metal, AL                             |
| Lens                        | plastic, Acrylic                      |
| Electrical connection       | Cable with connector, M12 × 1, 0.15 m |
| Number of cores             | 8                                     |
| Ambient temperature         | -40...+70 °C                          |
| Protection class            | IP65                                  |

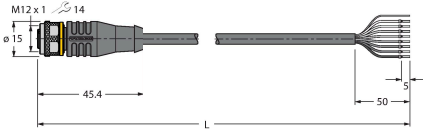
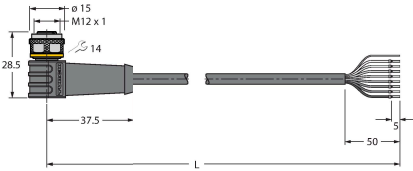
### Functional principle

Measuring light screens are ideally suited for precise detection and inspection tasks such as sizing, product profiling, edge and center guiding, and detecting holes. Every system consists of an emitter and a receiver that has two reversible switching outputs. In addition, data is also transmitted via RS485. The device can be parametrized via the PC with software. The response times are dependent on the scan field and the scan mode set. Detailed information on this can be found in the instruction manual.

Technical data

| Tests/approvals |                        |
|-----------------|------------------------|
| Approvals       | CE                     |
| Approvals       | CE<br>cULus recognized |

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/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>   |