

measuring light screen  
emitter  
BMEL7216A



- Minimum target size 19 mm
- Scan field 1819 mm
- max. sensing range 14 m
- Operating voltage 11.8...12.2 VDC (from controller)
- Protection class IP65
- adjustment via software

**Functional principle**

Measuring light screens are ideally suited for precise detection and inspection tasks such as product profiling, sizing, edge and centre guiding, hole and parts detection and the like. Each system consists of an emitter, receiver and a controller module, which is equipped with several switching and analogue outputs, depending on the specific version. The device also enables data transmission via RS232 or R485, either in a binary or ASCII code format. The scan times depend on the height of the measuring array and the adjusted scan mode. Detailed information can be taken from the instruction manual.

|                          |                         |
|--------------------------|-------------------------|
| <b>Type code</b>         | BMEL7216A               |
| Ident no.                | 3038551                 |
| <b>Operating mode</b>    | light screen            |
| Light type               | IR                      |
| Wavelength               | 880 nm                  |
| Optical resolution       | 19 mm                   |
| Range                    | 900...14000 mm          |
| Detection zone height    | 1819 mm                 |
| Ambient temperature      | -20...+70 °C            |
| <b>Operating voltage</b> | 11.4...14VDC            |
| <b>Design</b>            | rectangular, Mini Array |
| Dimensions               | 38.1 x 38.1 x 1877 mm   |
| Housing material         | metal, AL               |
| Lens                     | plastic, acrylic        |
| Connection               | male, 7/8"              |
| Protection class         | IP65                    |