

measuring light screen
emitter
BMEL4232A

TURCK

Industrial
Automation



- Minimum target size 9.7 mm
- Scan field 1048 mm
- max. sensing range 6.1 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.

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|--------------------------|-------------------------|
| Type code | BMEL4232A |
| Ident no. | 3039579 |
| Operating mode | light screen |
| Light type | IR |
| Wavelength | 880 nm |
| Optical resolution | 9.7 mm |
| Range | 600...6100 mm |
| Detection zone height | 1048 mm |
| Ambient temperature | -20...+70 °C |
| Operating voltage | 11.4...14VDC |
| Design | rectangular, Mini Array |
| Dimensions | 38.1 x 38.1 x 1115 mm |
| Housing material | metal, AL |
| Lens | plastic, acrylic |
| Connection | male, 7/8" |
| Protection class | IP65 |