

measuring light screen
emitter
BMEL1216A



- Minimum target size 19 mm
- Scan field 295 mm
- max. sensing range 17 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.

Type code BMEL1216A
Ident no. 3038541

Operating mode light screen
Light type IR
Wavelength 880 nm
Optical resolution 19 mm
Range 900...17000 mm
Detection zone height 295 mm
Ambient temperature -20...+70 °C

Operating voltage 11.4...14VDC

Design rectangular, Mini Array
Dimensions 38.1 x 38.1 x 356 mm
Housing material metal, AL
Lens plastic, acrylic
Connection male, 7/8"
Protection class IP65