

AO000173

ACCESSORIES • LENSES

Entocentric lenses have a fixed or variable (zoom lenses) opening angle of the optics to the object. They are used for presence detection and assembly control, pick and place applications, feature inspections, color applications, OCR-recognition and code reading. Due to their perspective error they are not suitable for measurement applications. Telecentric lenses are special optical lenses that are characterized by the fact that their entrance or exit pupil are located at infinity. They are mainly used for measurement tasks with high repeatability, especially when measuring is to be made without perspective distortion at fluctuating object positions (in excess of the field of view in x and y direction).



MECHANICAL DATA

Ambient temperature (MAX)	50 °C
Ambient temperature (MIN)	-20 °C
Lens diameter	31
Lens length	30 mm
With C-mount thread	Yes

ELECTRICAL DATA

Aperture control	Manual
Lens connection	C-mount (1-32 UN 2A)

OPTICAL DATA

Aperture number	1.4
Focal distance	Fixed
Focal distance range (MAX)	4.5 mm
Focal distance range (MIN)	4.5 mm
Focusable	Yes
Lens type	Entocentric
Minimum distance	200 mm
Motor zoom	No
Resolution capacity	Up to 1.2 megapixel

DIMENSIONAL DRAWING

INSTALLATION



Mounting / Installation may only be carried out by a qualified electrician!

DISPOSAL



SAFETY WARNINGS

Before initial operation, please make sure to follow all safety instructions that may be provided in the product information!

Never use these devices in applications where the safety of a person depends on their functionality.