

OKK00180

OPTICAL SENSORS • CONTRAST SCANNERS

Contrast scanners are capable to distinguish the the visual differences (e.g. reflectivity, brightness differences) between adjacent areas. In general, the devices project a light spot on an object's surface and analyze the reflected light. Fiber optic amplifier versions can be used in addition to the incident light mode also in the transmitted light mode. Contrast scanners are versatile. They can be used, among other things, for position control of printing or color marks, distinction of brightness variations or in the intensity control of luminous objects (like LEDs, displays etc.).



MECHANICAL DATA

Ambient temperature (MAX)	55 °C
Ambient temperature (MIN)	-20 °C
Degree of protection (IP)	IP64
Housing design	Cuboid
Housing material	Aluminium
Sensor height	38 mm
Sensor length	100 mm
Sensor width	65 mm
Storage temperature	85 °C
Storage temperature	-20 °C
With fiber optics connection	Yes
With interchangeable lens	Yes

ELECTRICAL DATA

Analogue output 0 mA ... 20 mA	No
Analogue output 0 V ... 10 V	Yes
Analogue output -10 V ... +10 V	No
Analogue output 4 mA ... 20 mA	Yes
High scanning frequency	Yes
Large sensing range	Yes
Max. output current	100 mA
Number of pins	8
Operating voltage (MAX)	26.4 V
Operating voltage (MIN)	21.6 V
Programmable via software	Yes
Rated control supply voltage Us at DC (MAX)	26.4 V
Rated control supply voltage Us at DC (MIN)	21.6 V
Reverse polarity protection	Yes
Sensing range (MAX)	500 mm
Sensing range (MIN)	1 mm
Setting procedure	Parameterization

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.