

PKSI0093

LASER 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	-20 °C ... 60 °C
Degree of protection (IP)	IP64
Housing design	Cuboid
Housing material	Aluminium
Material of optical surface	Glass
Storage temperature	85 °C
Storage temperature	-20 °C
With fiber optics connection	No
With interchangeable lens	No

ELECTRICAL DATA

Analogue output 0 mA ... 20 mA	No
Analogue output 0 V ... 10 V	No
Analogue output -10 V ... +10 V	No
Analogue output 4 mA ... 20 mA	No
Max. output current	150 mA
Operating voltage	12 V ... 30 V
Rated control supply voltage U_s at DC	12 V ... 30 V
Reverse polarity protection	Yes
Setting procedure	Manual adjustment
Short-circuit-proof	Yes
Switching frequency	100000 Hz
Voltage type	DC
With blanking function	No
With time function	No

OPTICAL DATA

Laser protection class	Class 1
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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!