

OK98C476
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	-10 °C ... 55 °C
Degree of protection (IP)	IP67
Housing design	Cuboid
Material of optical surface	Glass
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	200 mA
Number of pins	4
Operating voltage	10 V ... 30 V
Rated control supply voltage U_s at DC	10 V ... 30 V
Reverse polarity protection	Yes
Setting procedure	Teach-In
Short-circuit-proof	Yes
Switching frequency	10000 Hz
Type of electrical connection	Connector M12
Type of switching output	PNP
Voltage type	DC
With blanking function	No
With LED display	Yes
With time function	No

OPTICAL DATA

Light color, version 2	Green light
Light source	Polarity free red light

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!