

OT170420
OPTICAL SENSORS • DIFFUSE REFLECTION SENSORS WITH BACKGROUND SUPPRESSION

sensor optical, diffuse-reflection sensor, 50x50x15mm, Sn: 20-450, 10-30V DC, 2x PNP Anticoincidence, Connector M12 4pin, IP67, Zinc die-cast+PMMA, 0.5kHz, Background suppression, Polarity free red light, Point, Manual adjustment


MECHANICAL FEATURES

	EV008323
Ambient temperature	-25 °C ... 65 °C
Degree of protection (IP)	IP67
Design	Cuboid
Housing material	Zinc die-cast
Material of optical surface	PMMA
Reflector included in the scope of delivery	-
Sensor height	50 mm
Sensor length	50 mm
Sensor width	15.4 mm

ELECTRICAL FEATURES

Adjustment range	20 mm ... 450 mm
Analog output 0 mA ... 20 mA	-
Analog output 0 V ... 10 V	-
Analog output -10 V ... +10 V	-
Analog output 4 mA ... 20 mA	-
Decay time	1 ms
Interference suppression	+
Max. switching distance	450 mm
No-load current	41 mA
Number of pins	4
Number of switching outputs	2
Operating voltage	10 V ... 30 V
Rated switching current	200 mA
Rated switching distance	450 mm
Response time	1 ms
Reverse polarity protection	+
Scanning function	Light-/dark-on mode
Sensing range	20 mm ... 450 mm
Setting procedure	Manual adjustment
Short-circuit protection	+
Switching frequency	500 Hz

ELECTRICAL FEATURES

Type of electrical connection	Connector M12
Type of switching function	Anticoincidence
Type of switching output	PNP
Voltage drop	1.8 V
Voltage type	DC
With LED display	+
With LED display (signal)	+
With other analog output	-
With time function	-

OPTICAL FEATURES

Light source	Polarity free red light
Wavelength of the sensor	660 nm
Triangulation	Background suppression
Light beam form	Point
Background suppression	+

Other

Packaging dimensions	77.0mm x 25.0mm x 123.0mm
Shipping weight	0.12kg
Tariff code	85365019

Classification

ipf product group	100
eClass 8.0	27270904
eClass 9.0	27270904
eClass 9.1	27270904
ETIM-5.0	EC002719
ETIM-6.0	EC002719
ETIM-7.0	EC002719

Connection



