

OT140475
OPTICAL SENSORS • DIFFUSE REFLECTION SENSORS WITH INTENSITY DIFFERENTIATION

sensor optical, diffuse-reflection sensor, 34x14x12mm, Sn: 5-200, 10-30V DC, 2x PNP Anticoincidence, Connector M8 4pin, IP67, Plastic ASA+PMMA, 0.5kHz, Polarity free red light, Point, Manual adjustment


MECHANICAL FEATURES

Ambient temperature	-25 °C ... 65 °C
Degree of protection (IP)	IP67
Design	Cuboid
Housing material	Plastic ASA
Material of optical surface	PMMA
Max. tightening torque	0.5 Nm
Reflector included in the scope of delivery	-
Sensor height	33.5 mm
Sensor length	14 mm
Sensor width	12 mm
Volume	Small
With interchangeable lens	-

ELECTRICAL FEATURES

Alarm output	-
Decay time	1 ms
Equipment protection class	Protection class 3
High repeat accuracy	-
Interference suppression	+
Max. switching distance	200 mm
No-load current	30 mA
Number of pins	4
Number of switching outputs	2
Operating voltage	10 V ... 30 V
Pre-failure message	-
Rated switching current	100 mA
Response time	1 ms
Reverse polarity protection	+
Scanning function	Light-/dark-on mode
Sensing range	5 mm ... 200 mm
Setting procedure	Manual adjustment
Short-circuit protection	+
Suitable for safety functions	-

ELECTRICAL FEATURES

Switching frequency	500 Hz
Type of electrical connection	Connector M8
Type of switching function	Anticoincidence
Type of switching output	PNP
Voltage drop	1.8 V
Voltage type	DC
With communication interface, RS-232	-
With LED display	+
With monitoring function of downstream devices	-
With other analog output	-
With restart lock	-
With time function	-

OPTICAL FEATURES

Light source	Polarity free red light
Wavelength of the sensor	660 nm
Light exit	Axial
Light beam form	Point
Small light beam diameter	-
Line scanner	-

OTHER FEATURES

Feeding technology	+
For gloss queries	-
Is line scan camera	-

Other

Packaging dimensions	77.0mm x 25.0mm x 123.0mm
Shipping weight	0.02kg
Tariff code	85365019

Classification

ipf product group	100
eClass 8.0	27270903
eClass 9.0	27270903
eClass 9.1	27270903
ETIM-5.0	EC001821
ETIM-6.0	EC001821
ETIM-7.0	EC001821

Connection



