

OE18042A
OPTICAL SENSORS • THROUGH-BEAM SENSORS RECEIVERS

sensor optical, Through-beam sensor receiver, M18x1 64long, Sn: 20m, 10-35V DC, PNP Anticoincidence, Connector M12, IP67, Brass Chrome-plated+Glass, Polarity free red light


MECHANICAL FEATURES

Ambient temperature	-25 °C ... 55 °C
Degree of protection (IP)	IP67
Design	Cylinder, screw-thread
Housing coating	Chrome-plated
Housing material	Brass
Material of optical surface	Glass
Max. tightening torque	20 Nm
Sensor length	63.5 mm
Thread length	42 mm
Thread pitch	1 mm
Thread size, metric	18
Version	Through-beam sensor receiver

ELECTRICAL FEATURES

Connection to amplifier	-
Decay time	0.5 ms
Measuring range	20 m
No-load current	10 mA
No-load current, receiver	10 mA
Operating voltage	10 V ... 35 V
Rated switching current	200 mA
Rated switching distance	20000 mm
Readiness delay	20 ms
Residual ripple	20 %
Response time	0.5 ms
Reverse polarity protection	+
Scanning function	Light-/dark-on mode
Short-circuit protection	+
Suitable for safety functions	-
Switching frequency	1000 Hz
Type of electrical connection	Connector M12
Type of input voltage	DC
Type of switching function	Anticoincidence

ELECTRICAL FEATURES

Type of switching output	PNP
Voltage drop	2 V
Voltage type	DC
With LED display	+
With LED display (functional reserve)	+
With LED display (signal)	+
With time function	-

OPTICAL FEATURES

Light source	Polarity free red light
Wavelength of the sensor	660 nm
Light beam form	Point

OTHER FEATURES

Scope of delivery of the one-way system	Receiver
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Other

Packaging dimensions	182.0mm x 22.0mm x 208.0mm
Shipping weight	0.07kg
Tariff code	85365019

Classification

ipf product group	100
eClass 8.0	27270901
eClass 9.0	27270901
eClass 9.1	27270901
ETIM-5.0	EC002716
ETIM-6.0	EC002716
ETIM-7.0	EC002716

Connection



