efector200

ifm electronic

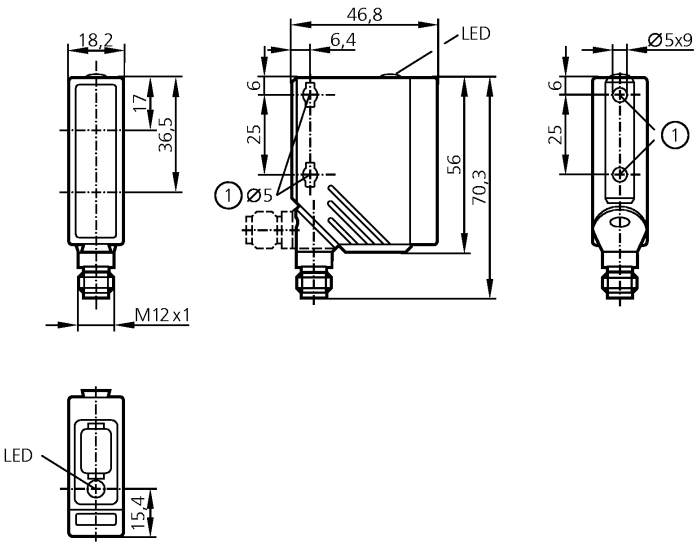
Photoelectric sensors

O5P200

O5P-DPKG/US
Retro-reflective sensor
Rectangular plastic
Plug and socket

Polarisation filter

Sensing range 0.1 ... 7m
(Prismatic reflector Ø 80 (E20005))



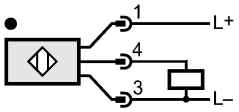
1: When a M5 mounting screw is used, the max. tightening torque is 2 Nm.

Receiver in upper lens, transmitter in lower lens

Electrical design	DC PNP
Output	dark-on mode
Range referred to prismatic reflector [m]	Ø 80 mm 0.1...7 50 x 50 mm 0.1...7
Light spot diameter [mm]	175 (at maximum range)
Operating voltage [V]	10...36 DC
Current rating [mA]	200
Short-circuit protection	pulsed
Reverse polarity protection	yes
Overload protection	yes
Voltage drop [V]	< 2.5
Current consumption [mA]	20
Switching frequency [Hz]	1000
Type of light	Red light 624 nm
Operating temperature [°C]	-25...60
Protection	IP 67, II
EMC	EN 60947-5-2
Housing material	housing: PA; bezel: high-grade stainless steel; operator interface: TPE
Material lens	PMMA
Function display	
Switching status LED	yellow
Connection	M12 connector
Remarks	cULus - Class 2 source required

Wiring





O5P200

excess gain graphs

