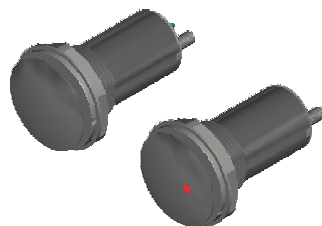


ARGOS through-beam photo switch



- large Range
- dual power supply
- transmitting channel selectable
- insensitive against ambient light
- fully epoxy resin filled
- high degree of protection
- direct mounting, vandalism protected
- nonwearing semi-conductor relay
- soiling indication
- easy adjustment



Declaration of conformity
EMC directive 2004/108/EC
EN 61000-6-2 and EN 61000-6-3



Technical Data

range	0,5...20m
operating voltage	10...40VDC 10...30VAC,
current consump.	transmitter typ. 10mA receiver typ. 10mA
type of light	IR, modulated
aperture angle	15...20° round angle
output	semi-conductor relay, short-circuit protected, potential-free NOC
switching power	max. 40VDC, max. 100mA
type of switching	light on, output closed with free light beam
response time	<100ms, detection of light beam interruption
output	switches with drop-out delay of 100ms if the light beam is free
output resistance	max. 35Ω

indications	
transmitter	green LED = in operation (wire side),
receiver	red LED = light beam interrupted, (front), flashing = critical function reserve (e.g. soiling)
type of connection	hard wired 3x0.25mm ² transmitter, 5x0.25mm ² receiver
housing material	PC2805 RF, IR transparent, cover, nuts, seal
degree of protection	IP67 according to EN60529, fully epoxy resin filled
operating temp.	-20...+60°C
storage temp.	-20...+60°C
size	M25x1,5x55mm ³

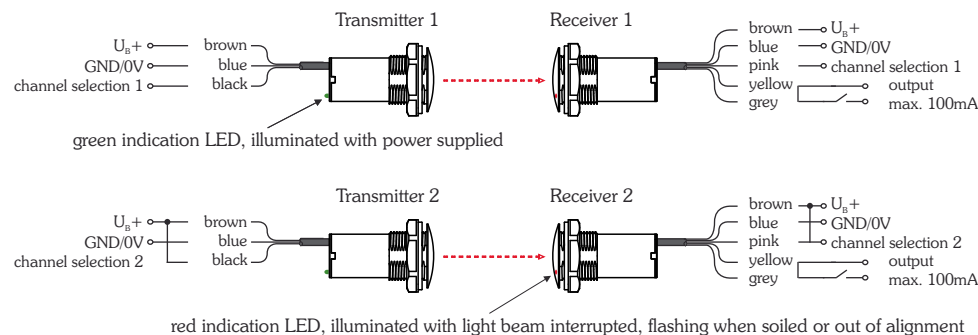
Functional description

The ARGOS is designed for the direct mounting in profile housings.

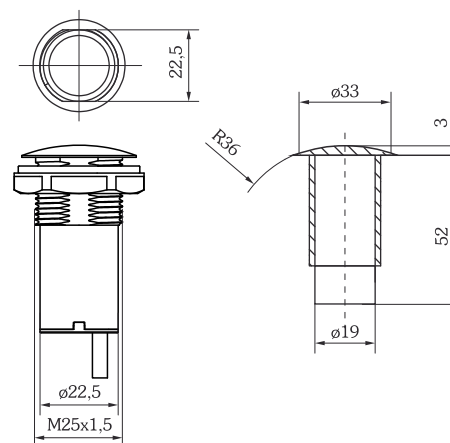
Due to the big aperture angle a safe function is assured at all times. With the M25x1.5 design the Argos matches with standard cable gland sizes. The high degree of protection can be obtained when mounted with the provided seal.

With the integrated second transmission channel a second light-stretch can be obtained without the two interfering with each other. For a longer life of the sensors an electrical potential-free closing contact is being used which is nonwearing and short-circuit protected.

Connection scheme / channel selection



Size



Accessories



APG-AR

housing for surface mounting of the ARGOS photo switches, material black plastic
Material: PA6 GF15

Ordering details
APG-AR 315919

Ordering details

model	order number
ARGOS transmitter 100/100-4m	316690 4 meter
ARGOS receiver 100/100-4m	316691 4 meter
The entire ARGOS series can be supplied in series with other cable lengths.	

set ARGOS 2-channel 316408
set consisting of:
transmitter 4m fixed cable, receiver 4m fixed cable