

Argos-4-channel through-beam switch

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- max. 4 channel
- Large Range
- Dual power supply
- Insensitive against ambient light
- Fully epoxy resin filled
- High degree of protection
- Direct mounting, vandalism protected
- Nonwearing semi-conductor relay
- Soiling indication
- Easy adjustment



Technical Data

Range	2...20m (approx.25m max range)	Indications transmitter	green LED = in operation (wire side),
Operating voltage	10...40VDC 10...30VAC,	receiver	red LED = light beam interrupted (front), flashing = critical function reserve (e.g. soiling)
Current consumption	transmitter typ. 10mA receiver typ.10mA	Type of connection	hard wired 3x0.25mm ² transmitter, 5x0.25mm ² receiver
Type of light	IR, modulated	Housing material	lexan, IR transparent, cover, nuts, seal
Aperture angle	15...20° round angle	Degree of protection	IP67 according to EN60529, fully epoxy resin filled
Output	semi-conductor relay, short-circuit protected, potential-free NOC	Operating temp.	-20...60°C
Switching power	max. 40VDC, max.100mA	Storage temp.	-20...60°C
Type of switching	light on, output closed with free light beam	Size	M25x1,5x55mm ³
Response time	<120ms, detection of light beam interruption		
Output	switches with drop-out delay of 500ms if the light beam is free		

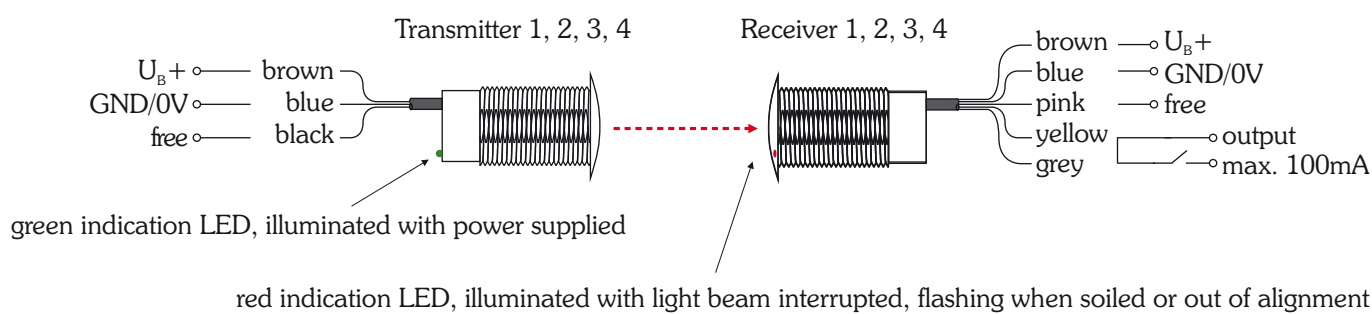
Functional description

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

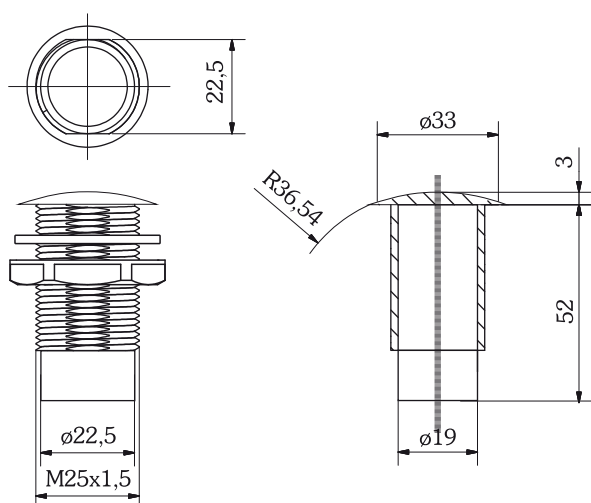
Due to the big aperture angle a safe function is assured at all times. With the M25x1.5 design the Argos matches with standard cable gland sizes. The high degree of protection can be obtained when mounted with the provided seal.

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



Declaration of conformity

EMC directive 2004/108/EEC
 EN 61000-6-2 and EN 61000-6-4



Ordering details

Model	Order number
Argos-4-Channel-Set	1.114.534 040
consisting of	
4 transmitters (Argos-T1-T4) with 4 meter cable	
and	
4 receivers (Argos R1-R4) with 4 meter cable	

The entire Argos series can be supplied in series with other cable lengths.