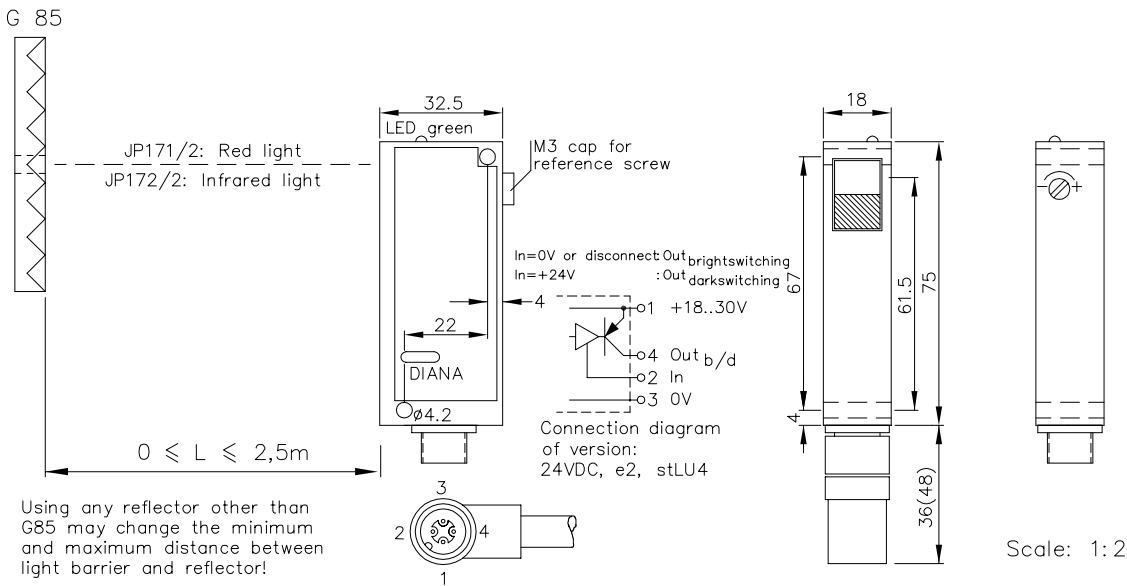


Reference Reflex Light Barrier for Recognising Glass

Typen JP171-1Ref und JP172-1Ref



0 – 2,5m

Reference Reflex
Light Barrier
for
recognising glass

JP171-1Ref
JP172-1Ref

Scale: 1:2

Technical characteristics:

Housing	Al-Cast
Weight	approx. 100g
Protection mode	IP65
Connection	4 pin plug stLU4
Supply	24VDC/40mA without load
Output	pnp 60mA s.c.-prot., e2
Signal mode	bright-/darkswitching, selectable
Transmitter light	JP171/2: LED 650nm JP172/2: LED 880nm
Steady light resistance	>80kLx
Interference suppress.	forced synchronization
Light beam diameter	approx. 70mm/2,5m
Access time	<12ms/switch transition
Switching rate	40/s
Switch indicator	LED, green
Level indicator	DIANA, 4x LED red, i
Ambient temperatur	-25...+60°C

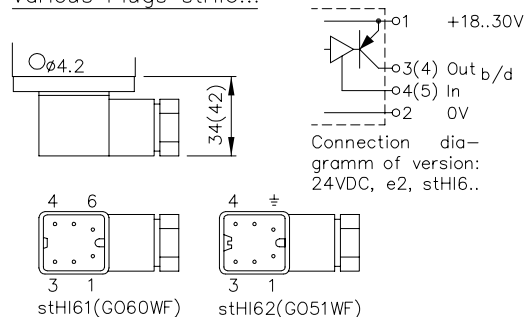
Accessories (optional):

Reflectors
Elbow tube adjustment JR17

Special versions:

Connection	6 pin Plug stHI61 5+1 pin Plug stHI62 5 wire no.-cable K5 (IP67)
Output	nnp 60mA s.c.-prot., e3
Access time	"q" <2ms/switch transition
Switching rate	"q": 300/s
Switch indicator	through bottom lens

Various Plugs stHI6..:



Order no.:

4662
4663

Operating Instructions:

This device is specially designed to recognise transparent objects (film, hollow glass jars etc.). The optics and electronics are designed to be able to reliably recognise even the slightest subduing of light through the object after the device has been adjusted to the object by means of the reference screw on the rear.

It is essential to bear in mind that although the system has superior capabilities in detecting the slightest differences in brightness, it cannot increase the real difference in brightness. That means that contamination on the optical unit or the reflectors, which correspond to a difference in brightness of the object to be detected can also cause actuation.

Setting instructions:

If the light path is free, the green switch indicator must be on; if the object is in the light path, it must be dark.
If the green LED lights up although the object is in the light path, remove the M3 cap screw on the rear and turn the reference screw in an anticlockwise direction until the LED goes out.
In addition, you should turn in an anti-clockwise direction until the DIANA LEDs shine with equal intensity regardless of whether the light path is free or covered.
Objects with reflecting surfaces should be tilted somewhat in relation to the light beam (incline the light barrier slightly.)