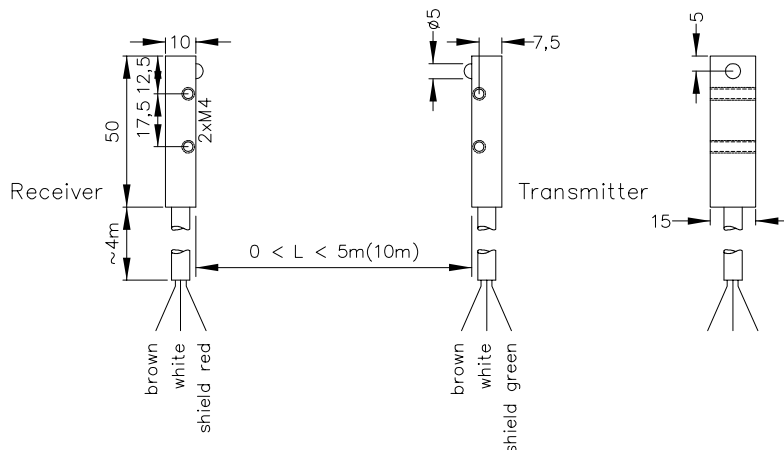


## Transmitter-Receiver Optic Head Type Fv with driver stage (v) for external control unit



0 - 5m  
(0 - 10m)

Transmitter-Receiver  
Optic Heads  
with  
driver stage

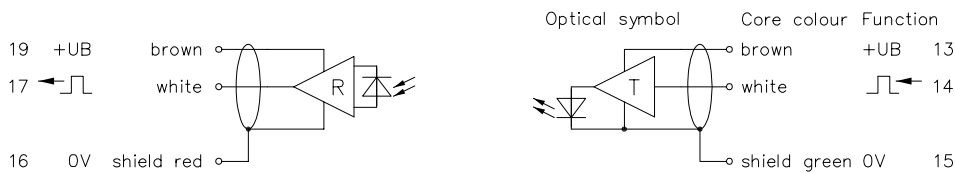
Scale 1:2.5

Fv

Order No.:

3181

### Connection of optical elements:



### Technical Characteristics:

Housing	PVC
Weight	approx. 2x140g incl. 4m cable each
Protection mode	IP65
Connection	2-core cable (4m), shielded
Receiver element	Si phototransistor
Transmitting light	GaAs 880nm, invisible
Photov. elem. dia. T/R	φ=5/5mm
Angle of beam spread T/R	approx. 20/15°
Ambient temperature	-25...+60°C
Range	in clear air without diaphragms: 5m with PP2..00-2 10m with PP2..10-2

### Features:

Photov. elem. dia. T/R φ= 1/1mm, pw  
Angle of beam spread pw approx. 40°  
Cable with increased resistance to oil, ö  
Cable lengths up to 40m on request  
Cable plug on request

### Accessories:

Control units PP2..00-2 or PP2..10-2  
Diaphragms  
Optical filters

**Caution:** Permissible optical cable lengths max. 40m without any loss of power! If possible, do not lay the transmitter and receiver cables parallel to each other! Close staggering of more than one light beam is only permissible when using multiplex systems.