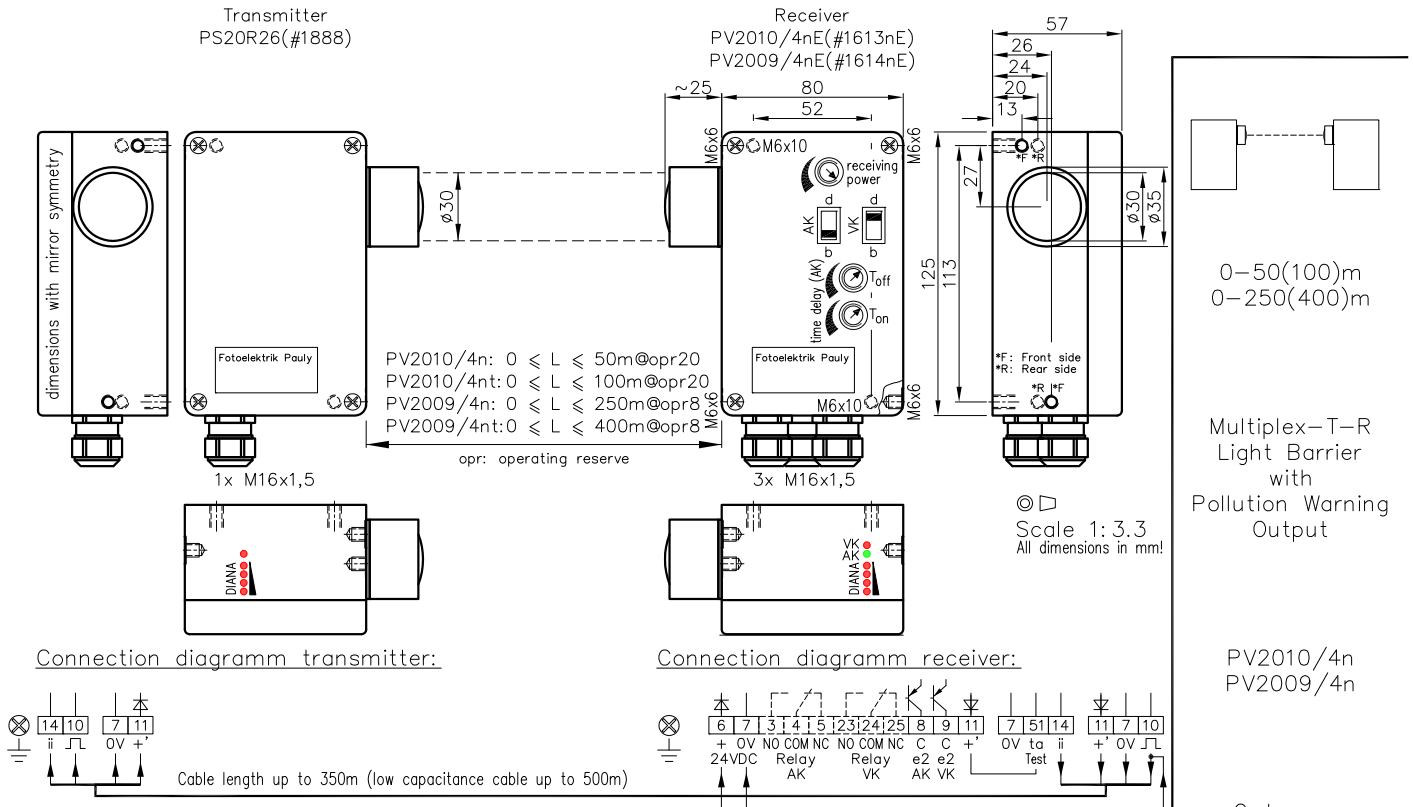


## Multiplex-Transmitter-Receiver Light Barrier Types PV2010/4n & PV2009/4n with Pollution Warning Output



Connection diagram transmitter:

Connection diagram receiver:

### Technical characteristics:

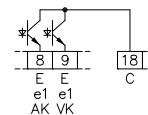
Housing Al-Cast  
Weight Receiver: approx. 700g  
Transmitter: approx. 500g  
Protection mode IP65  
Connection Terminal block  
Supply 24VDC/80mA without load  
Output 2x pnp 60mA s.-c.-prot., e2  
Signal mode bright-/darkswitching, selectable  
Transmitter light LED 850...880nm, invisible  
Steady light PV2009/4n: >80kLx  
resistance PV2010/4n: >100kLx  
Interference suppressor Force synchronization  
Access time <12ms/switch transition  
Switching rate electron.: 40/s; Relay: 10/s  
Switch indicator (receiver) LED's green & red  
Working indicator (transm.) LED red  
Level indicator (t & r) 4x LED red  
Ambient temperature -25...+60°C  
Testing by transmitter blanking, ta

### Accessories:

Multiplex control device, e.g. PP9032  
Diaphragms BLD35...  
Optical filters  
Adjustment flange JF26H  
Heavy adjustment flange R26SH  
Elbow tube adjustment AD26SS1 or AD26SS2  
Cooling water flange KW26  
Anti dust tube TUB46  
Integrated protection system KJT26 or KRT26\*

\* Including: cooling by water, adjustment, anti dust tube, diaphragms, optical filter

### Connection diagram optocoupler (e1, optional):



### Features:

Connection Plug, no.-cable  
Output 2x Optocoupler 60V/50mA, e1  
2x Relay 250VAC/10A, 2500VA, 1xCh, R  
"q": <2ms/switch transition  
"q": 300/s, Relay: 10/s  
Time delay Switching-on-off-delay, separately adjustable (only AK), z...

If using cooling water flange, then milled wall, y  
Heatprotected transducersystem, pl  
Teleobjectives, PV20../4nt

### Notes:

Outputs: The switching equipment for the Pollution Warning output (VK, set to dark [d], red LED) is switched on if the signal level is less than five times of the minimum level of the main contact level (AK, green LED).  
Terminal blocks: Cage clamp; Stripped conductor length 8...9mm; Conductor cross section 0,25...2,5mm<sup>2</sup> (with insulated ferrule up to 1,5mm<sup>2</sup> only); actuated by screwdriver 2,5x0,4mm.  
Testing function ("ta", terminal 51): Transmitter activated by +24V; Transmitter deactivated by 0V or nc. To use this function remove wire bridge between terminal 11 & 51.

0-50(100)m  
0-250(400)m

Multiplex-T-R  
Light Barrier  
with  
Pollution Warning  
Output

PV2010/4n  
PV2009/4n

Order no.:

1613n  
1614n