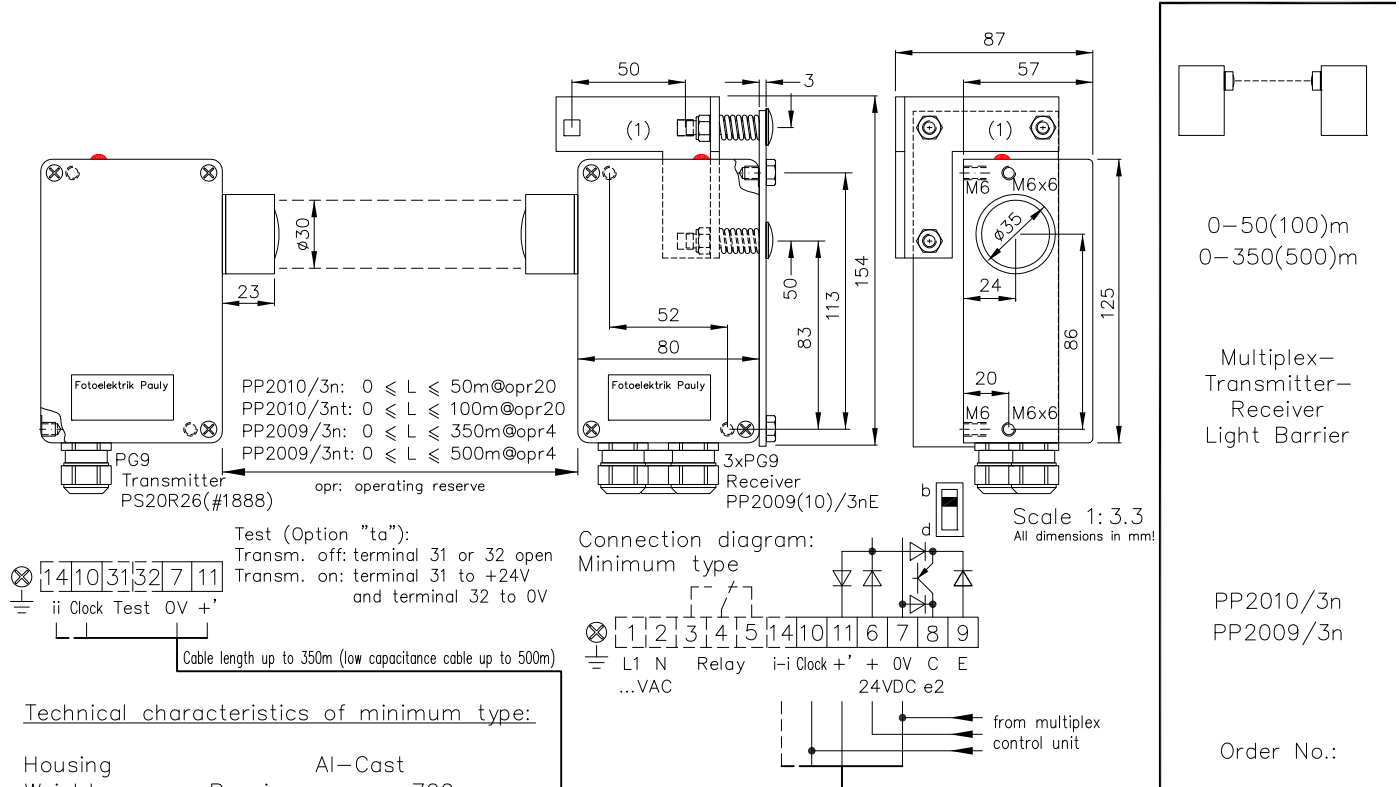


## Multiplex-Transmitter-Receiver Light Barrier Types PP2010/3n & PP2009/3n



0-50(100)m  
0-350(500)m

Multiplex-  
Transmitter-  
Receiver  
Light Barrier

PP2010/3n  
PP2009/3n

Order No.:  
  
1611n  
1612n

### Technical characteristics of minimum type:

Housing	Al-Cast
Weight	Receiver: approx. 700g Transmitter: approx. 500g
Protection mode	IP65
Connection	Terminal block
Supply	24VDC/60mA without load
Output	pnp 60mA s.c.-prot., e2
Signal Mode	Bright-/darkswitching, selectable
Transmitter light	GaAs 880nm, invisible
Steady light	PP2009/3n: >80kLx resistance PP2010/3n: >100kLx
Interference suppressor	Force synchronization
Access time	<12ms/switch transition
Switching frequency	electron.: 40/s; Relay: 10/s
Switch indicator	LED, receiver
Working indicator	LED, transmitter
Ambient temperature	-25...+60°C

### Features:

Connection	6+1 pin Plug stB17 6+1 pin Plug stH7 5+1 wire No.-Cable K6 2x3 wire No.-Cable 2K3
Supply	230VAC, 115VAC, 42...48VAC, 24VAC or Relay 250VAC/10A, 2500VA, 1xCh, R
Output	nnp 60mA s.-c.-prot., e3 Optocoupler 60V/50mA, e1 if req. 2xe2 or 2xe3 or antival. e4 or e5
Access time	"q": <2ms/Switch transition
Switching rate	"q": 300/s, Relay: 10/s
Time delay	0-10s, switching-on-off-delay, separatly adjustable, z10
Level indicator	DIANA, i
Level ind. for Transm.	DIANA Receiver: i-i; Transmitter: ii
Teleobjectives	PP20../3nt
Heat protected transductor system	pl
If using cooling water flange	then milled wall, y
PV2010(09)/3n	Pollution warning output
PU2010(09)/3n	'intelligent' Pollution warning output

### Accessories:

- Multiplex control device, e.g. PP9032
- Diaphragms BLD35...
- Optical filters
- Adjustment flange JF26H (1)
- 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 (optional: diaphragms, optical filter)

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