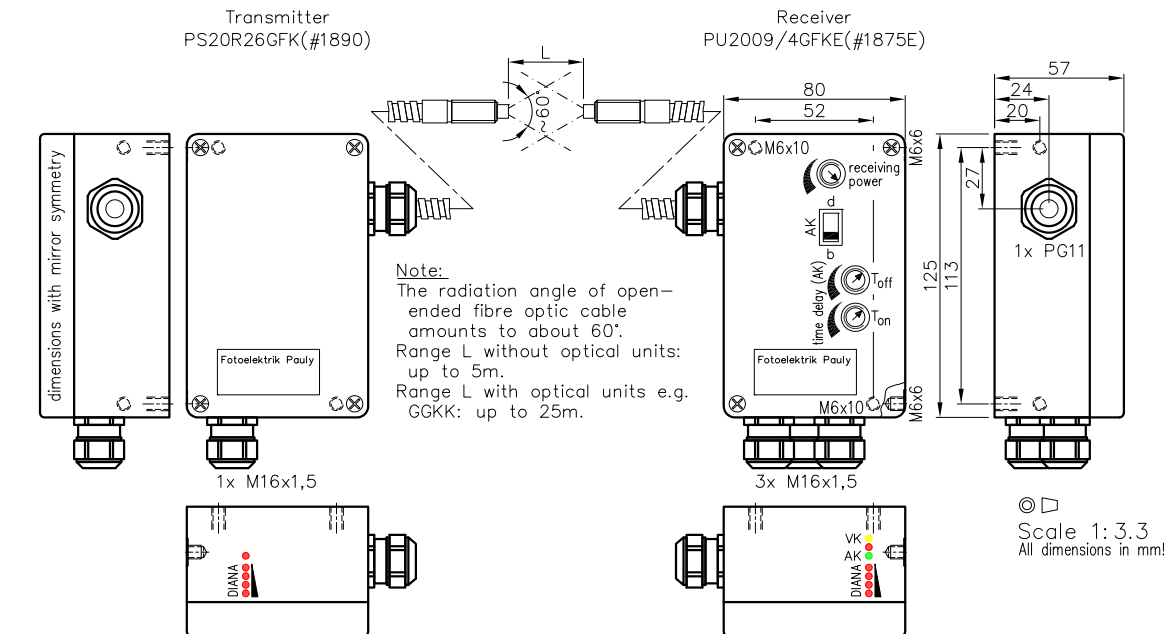
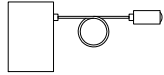


Transmitter-Receiver Light Barrier Type PU2009/4GFK for Glass Fibre Optic Cable Connection with 'intelligent' Pollution Warning Output

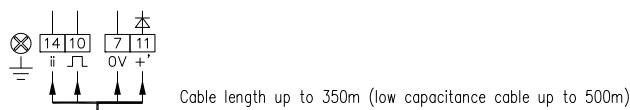
0-5(25)m

Transmitter-Receiver
Light Barrier for
glass fibre optic
cable connection
with 'intelligent'
Pollution Warning
Output

PU2009/4GFK

Order no.:
1875

Connection diagramm transmitter:



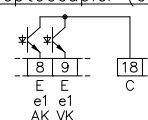
Connection diagramm receiver:



Technical characteristics:

Housing: Al-Cast
 Weight: Receiver: approx. 700g
 Transmitter: approx. 500g
 Protection mode: IP65
 Connection: Terminal block
 Supply: 24VDC/90mA without load
 Output: 2x pnp 60mA s.-c.-prot., e2
 Signal mode: bright-/darkswitching, selectable (only AK)
 Transmitter light: LED 880nm, invisible
 Steady light resistance: >80kLx
 Interference suppressor: Force synchronization
 Access time: <12ms/switch transition
 Switching rate: electron.: 40/s; Relay: 10/s
 Switch indicator (receiver): LED's green, red & yellow
 Working indicator (transm.): LED red
 Level indicator (t & r): 4x LED red
 Ambient temperature: -25...+60°C
 Testing by transmitter blanking, ta

Connection diagramm optocoupler (e1, optional):



Features:

Connection: Plug, no.-cable
 Supply: 230VAC, 115VAC, 42...48VAC
 Output: 2x Optocoupler 60V/50mA, e1
 2x Relay 250VAC/10A, 2500VA, 1xCh, R
 "q": <2ms/switch transition
 "q": 300/s, Relay: 10/s
 Switching-on-off-delay, separately adjustable (only AK), z...
 If using cooling water flange, then milled wall, y

Accessories:

Fibre optic cable GFK...
 Optical units e.g. A-GFK, At-GFK or GGFK
 Cooling water flange KW26

Optic unit accessories:

Diaphragms
 Optical filters
 Adjustment flange
 Cooling water flange
 Anti dust tube

Notes:

Outputs: The switching equipment for the Pollution Warning Output (VK, yellow LED) is switched if, subsequent to an interruption in light beam (red LED on) and the light path being free again (AK, green LED on), dirt or clogging causes the signal level to be under five times the minimum level (red and green LED on) and the light beam is then interrupted again. At this point in time, the light barrier is still fully functional. As soon as dirt has been removed (green LED on, red LED off), the dirt indicator (yellow LED) switches off.
 Terminal blocks: Cage clamp; Stripped conductor length 8...9mm; Conductor cross section 0,25...2,5mm² (with insulated ferrule up to 1,5mm² only); actuated by screwdriver 2,5x0,4mm.
 Testing option ("ta", terminal 51): Transmitter activated by +24V; Transmitter deactivated by 0V or nc.

1875 DE (25.05.05 tb)
 E_1875_1 (05.11.14 tb)
 (27.11.03 gs) 07.11.17 tb
 (21.02.05 m)