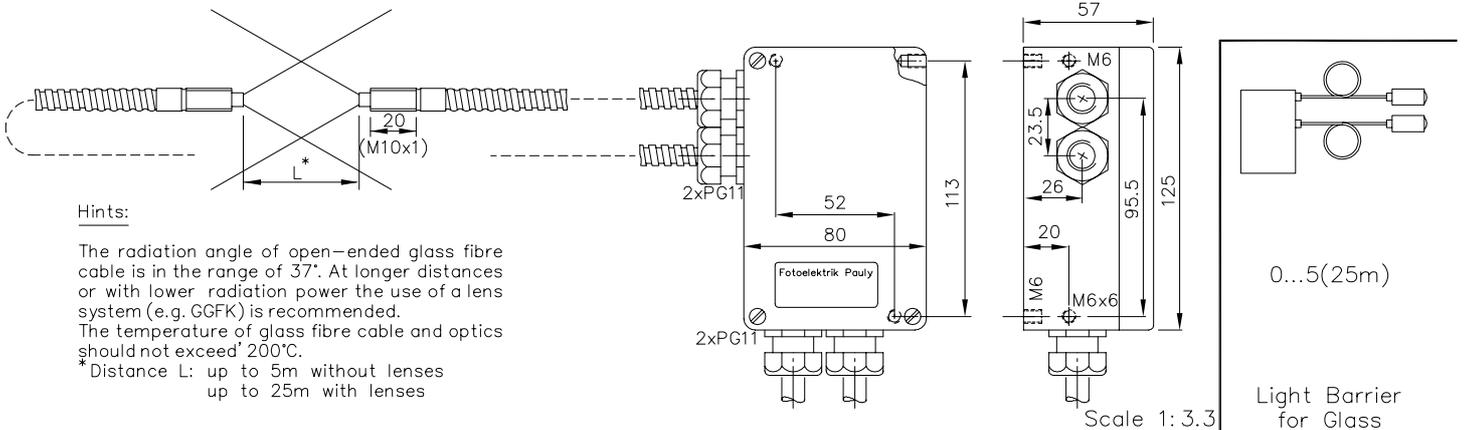


## Light Barrier for Glass Fibre Optics Type JP103/3GFK



**Hints:**

The radiation angle of open-ended glass fibre cable is in the range of 37°. At longer distances or with lower radiation power the use of a lens system (e.g. GGFK) is recommended. The temperature of glass fibre cable and optics should not exceed 200°C.  
 \*Distance L: up to 5m without lenses  
 up to 25m with lenses

**Technical characteristics of minimum type:**

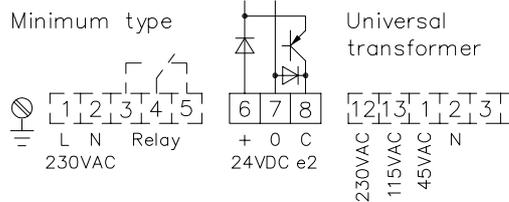
Housing	Al-Cast
Weight	approx. 700g
Protection mode	IP65
Connection	Terminal strip
Supply	24VDC/50mA without load
Output	pnp 60mA s.c.-prot., e2
Signal mode	bright-/darkswitching, selectable
Transmitter light	GaAs 880nm, invisible
Steady light resistance	>80KLx
Interference suppress.	forced synchronization
Access time	<12ms/switch transition
Switching rate	electron.: 40/s; Relay: 10/s
Switch indicator	LED
Ambient temperatur	-25...+60°C

**Accessories:**

Glass fibre cable GFK.. or GFK..SI  
 GFK-Optics, e.g.: GGFK, EGFK, A(t)-GFK  
 Cooling water flange KW26

**Optic accessories:**

Adjustment flange  
 Cooling water flange  
 Anti dust tube  
 Diaphragms, special filters  
 Reflectors for reflex optics



**Features:**

Connection	4 pin Plug stLU4 3+1 pin Plug stH4 4+1 pin Plug stA5 6+1 pin Plug stA7 5+1 wire no.-cable K6 2x3 wire no.-cable 2K3
Supply	24...80VDC 230V, 110...130V, 42...48V, 24VAC or 230/115/45VAC with universal transformer
Output	Relay 250VAC/10A, 2500VA, 1xCh, R 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, separately adjustable, z10
Level indicator	DIANA, i
If using cooling water flange, then milled wall, y	
JV103/4GFK(#1147):	Pollution warning output
JU103/4GFK(#1137):	'intelligent' Pollution warning output

1107 DE  
 E\_1107 1  
 (16.12.03 gs)  
 21.02.05 mj

