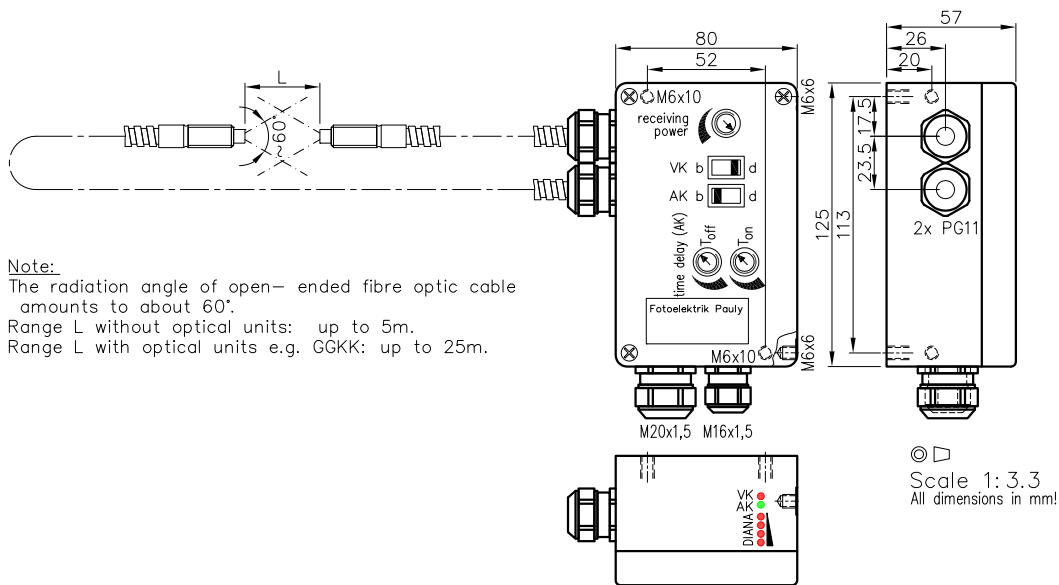
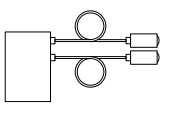


Light Barrier Type JV103/4GFK for Glass Fibre Optic Cable Connection with Pollution Warning Output



Note:
The radiation angle of open-ended fibre optic cable amounts to about 60°.
Range L without optical units: up to 5m.
Range L with optical units e.g. GGKK: up to 25m.



0-5(25)m

Light Barrier for glass fibre optic cable connection with Pollution Warning Output

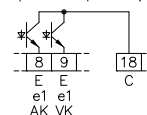
JV103/4GFK

Order no.:
1147

Connection diagramm:



Connection diagramm optocoupler (e1, optional):



Technical characteristics:

Housing	Al-Cast
Weight	approx. 700g
Protection mode	IP65
Connection	Terminal block
Supply	24VDC/70mA without load
Output	2x pnp 60mA s.-c.-prot., e2
Signal mode	bright-/darkswitching, selectable
Transmitter light	LED 850...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	LED's green & red
Level indicator	4x LED red
Ambient temperature	-25...+60°C

Features:

Connection	Plug, no.-cable
Supply	230VAC, 115VAC, 42...48VAC
Output	2x Optocoupler 60V/50mA, e1
	2x Relay 250VAC/10A, 2500VA, 1xCh, R
Access time	"q": <2ms/switch transition
Switching rate	"q": 300/s, Relay: 10/s
Time delay	Switching-on-off-delay, separately adjustable (only AK), z...
Level indicator	Driver for external DIANA, i-i3x or i-i5x
	If using cooling water flange, then milled wall, y

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...2,5mm² (with insulated ferrule up to 1,5mm² only); actuated by screwdriver 2,5x0,4mm.

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
- Reflectors for reflex optics

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