PAULY

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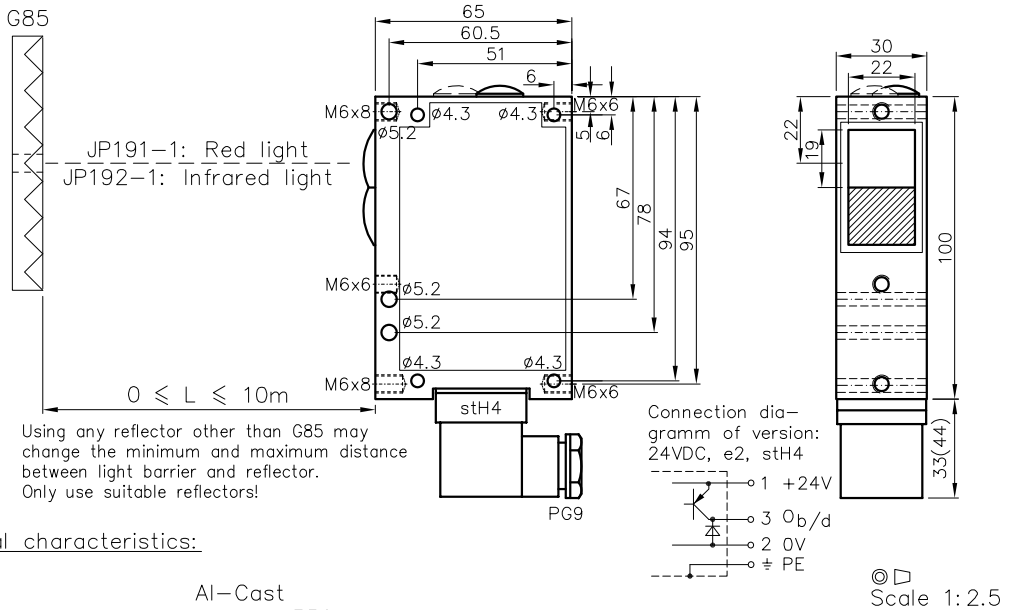
(Infra-)Red-Light Reflex Light Barrier with forced reduced range

Type JP191-1 and JP192-1



0...10m

Reflex Light Barrier with forced reduced range

JP191-1
JP192-1

Order no.:

1164
1165

Technical characteristics:

Housing	Al-Cast
Weight	approx. 350g
Protection mode	IP65
Connection	3+1 pin Plug stH4
Supply	24VDC/40mA without load
Output	pnp 60mA s.c.-prot. e2
Signal mode	bright/dark selectable
Transmitter light JP191-1:	LED 650nm, visible
JP192-1:	LED 850nm, invisible
Steady light resistance	>80kLx
Interference suppression	Force synchronization
Light beam dia.	approx. 85mm@6m
Access time	<12ms/Switch transition
Switching rate	40/s, Relay: 10/s
Switch indicator	LED
Ambient temperatur	-25...+60°C

Features:

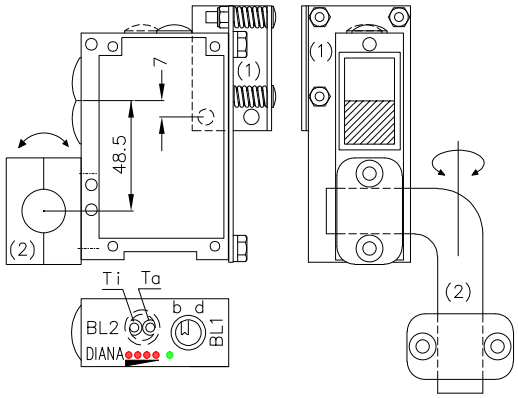
Connection	Plug
	No.-cable
Output	230V, 115V, 42...48V
Access time	Optocoupler 60V/50mA, e1
	Relay 240VAC/5A, 120W/1200VA, 1xCh, R
Switching rate	"q": <2ms/Switch transition
Time delay	"q": 300/s, Relay: 10/s
Time delay	Switching-on-off-delay, separately adjustable (only AK), z...
Level indicator	DIANA, i

If using cooling water flange, then milled wall, y
Testable by turning off transmitter, ta

Accessories:

Reflector
Diaphragms, Optical filters
Adjustment flange JF19H(1)
Elbow tube adjustment JR19(2)
Cooling water flange KW19
Anti heat shield & anti dust tube (K)JT19

Adjustment assemblies:



Notes:

Main contact element: The bright-dark switch is accessible by removing the blanking screw marked BL11. Switching to bright means that the output circuit of the main contact element is operated and the switching indicator lights up when the light emitted from the transmitter reaches the receiver after being reflected by the reflector.

Time delay: The optional delay time potentiometers located under the BL2 (turn-on (Ti) and turn-off delay (Ta)) for the main contact element (AK) increase by adjusting in a clockwise direction. The adjustable time is between 0s and the end value of the desired time range (1s, 3s or 10s).

Level indicator: The level indicator "DIANA" (optional, 4x LED red) indicates approximately 20-fold to 25-fold levels above the response threshold. It is not necessary for all DIANA LEDs to light up in order for the light barrier to function perfectly

1164 DE (18.02.05 mj)
E_ 1164 1 05.02.26 TBR
(23.11.99 tb)
(13.01.03 gs)

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