

PBI 10 mm series

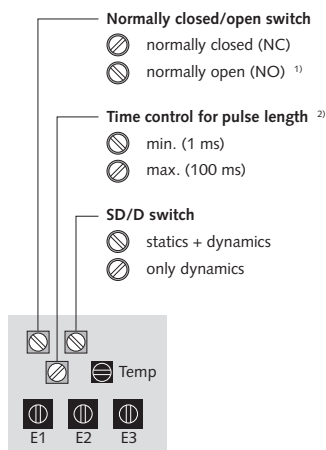
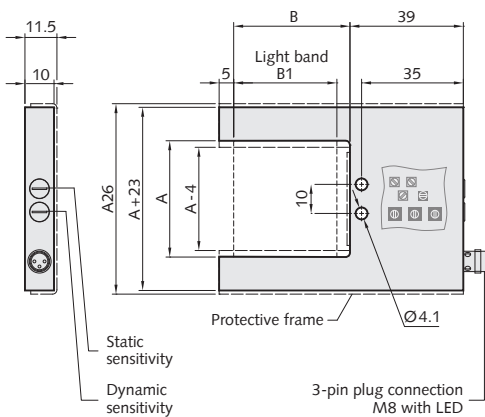
Multi-beam infrared fork light barriers with integrated amplifier – connector M8 – 3-pin



measure. analyze. innovate.



The protective frame is optionally available



■ Must not be changed!

- 1) Default setting
- 2) Default setting: 10 ms

A [mm]:	40	50	60
B [mm]:	40	75	75
B1 [mm]:	35	69	69

Application

- Ejection control
- Counting of ultra small parts

Specifications

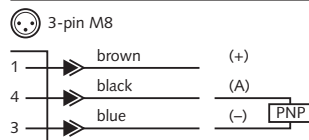
Circuit	Constant light trigger
Operating voltage	12 – 24 VDC
Current consumption	50 – 200 mA, depending on type
Mode of operation	dynamic/static ¹⁾
Sensitivity static/dynamic	adjustable by 270° pot
Output with LED	PNP
Function	normally open/closed
Load current	200 mA short-circuit proof
Pulse length	10 ms, internally adjustable (1 – 100 ms)
Frequency	max. 1 KHz, depending on pulse length
Temperature range	0°C – 60°C
EMC according to 2014/30/EU	EN 61000... CE
System of protection	IP 65
General tolerance of the housing	DIN ISO 2768-m

¹⁾ internal switch for dynamic/static operating mode

Resolution

Fork width A [mm]:	40	50	60
Part diameter [mm]:			
dynamic	1.0	1.0	1.0
static	2.0	2.0	2.5

Pin configuration



Article

Article	Order No.
Fork light barrier:	
PBI-40-40/3-P	8344-00000-3002
PBI-50-75/3-P	8357-00000-3002
PBI-60-75/3-P	8367-00000-3002

Accessories (more accessories, see last pages)

Article	Order No.
Protective frame:	
SRI 40-40	2300-00000-1180
SRI 50-75	2300-00000-1182
SRI 60-75	2300-00000-1183
Connection cable:	
VK-M8-g (5 m, straight)	2111-00005-0300
VK-M8-w (5 m, angled)	2111-00005-1300