

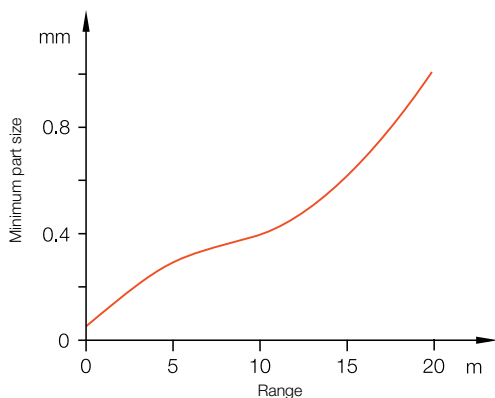
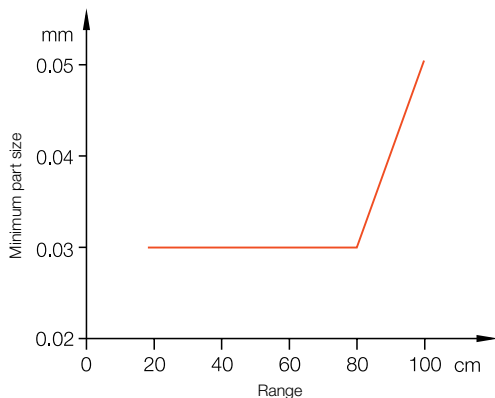
Photoelectric Standard Sensors

BOS 18M

Laser through-beam sensor

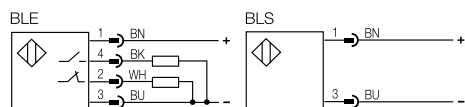
Accuracy diagram

Smallest detectable part size as a function of range.



Beam spot perpendicular to transport direction of the object.

Wiring diagrams



Recommended accessories

(please order separately)

Description	Ordering code
Mounting cuff	BAM00R2



More mechanical accessories: You can find a large selection of mounting components of all types, such as clamping holders, mounting brackets, and the Balluff mounting system BMS, in our **Accessory Product Line** catalog.

M18 Metal Laser Through-beam Sensor



Type			
Detection range			
PNP NO/NC Receiver	Part number		
	Part number		
PNP NC Receiver	Part number		
	Part number		
PNP Emitter	Part number		
	Part number		
Supply voltage U_B			
Output current			
No-load supply current I_0 max.			
Switching type			
Polarity reversal/short-circuit protected			
Settings			
Emitter, light type			
Wavelength			
Laser class			
Response time			
Switching frequency f			
Degree of protection as per IEC 60529			
Ambient temperature T_a			
Permissible ambient light			
Material	Housing		
	Optical surface		
Connection			

Ordering codes on pages 54-56.



Suitable connectors

(please order separately)



Size	Design	Cable material	Color	Length	Ordering code
M12, 4-pin	Straight	PUR	Yellow	5 m	BCC05FE
M12, 4-pin	Straight	PVC	Yellow	2 m	BCC05FF
M12, 4-pin	Angled	PUR	Yellow	2 m	BCC05TA
M12, 4-pin	Angled	PVC	Yellow	2 m	BCC05TF

Connectors without LED are suitable for PNP and NPN sensors.