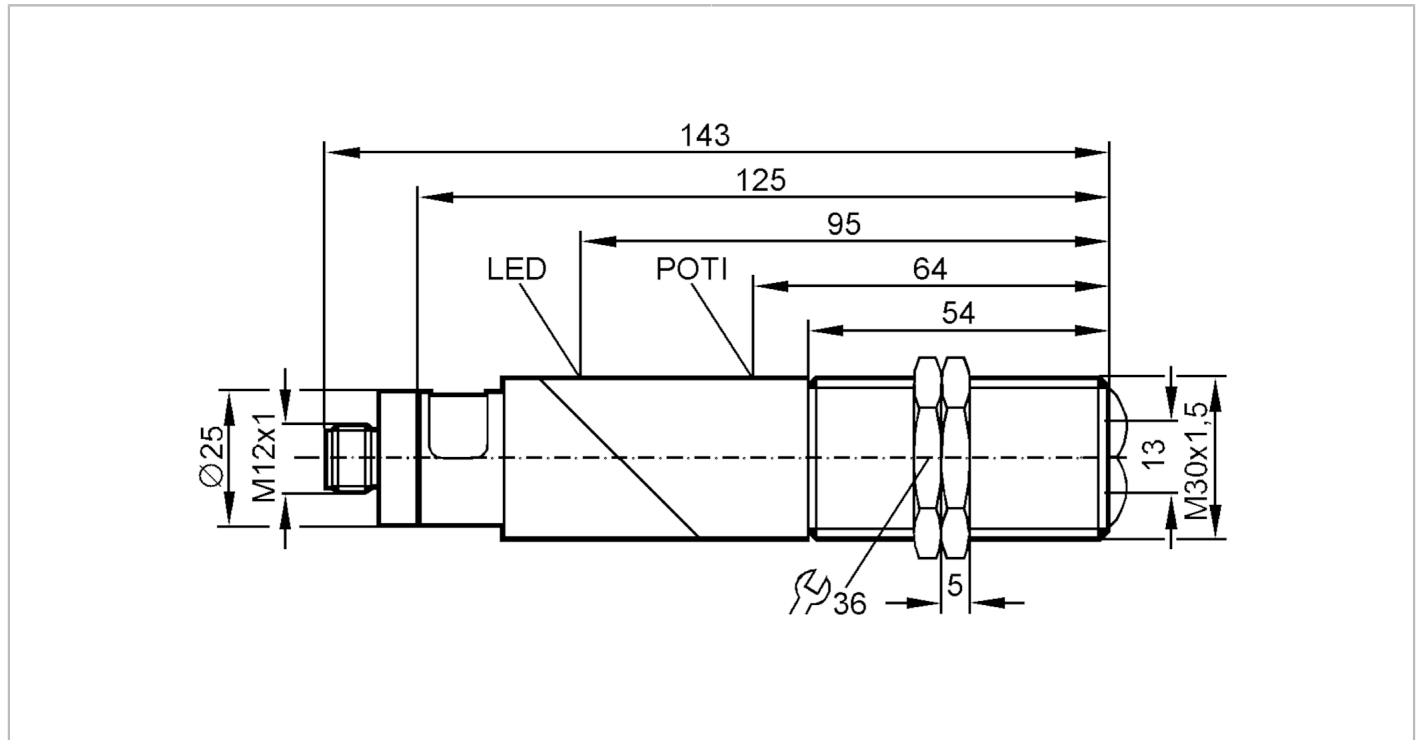




## Diffuse reflection sensor

OIT-ASI/US-100




Application	
Function principle	Diffuse reflection sensor
Electrical data	
Operating voltage [V]	26.5...31.6 DC
Current consumption [mA]	< 30
Protection class	III
Reverse polarity protection	yes
Type of light	infrared light
Wave length [nm]	880
Outputs	
Electrical design	AS-i
Output function	light-on mode
Short-circuit protection	yes
Type of short-circuit protection	pulsed
Overload protection	yes
Detection zone	
Range [mm]	< 1600; (white paper 200 x 200 mm)
Range adjustable	yes
Operating conditions	
Ambient temperature [°C]	-25...60
Protection	IP 65

# OI5021



## Diffuse reflection sensor

OIT-ASI/US-100

Tests / approvals					
EMC	EN 60947-5-2				
MTTF	[years]	579			
AS-i classification					
AS-i I/O configuration	[hex]	1			
AS-i ID code	[hex]	1			
AS-i certificate	46201				
Assignment of the data bits	assignment	switching signal (active = 1)	not used	not used	not used
Assignment of the parameter bits	\$Parameterfunktion	\$PFunktion	\$P1t_verwendet	\$P2t_verwendet	\$P3t_verwendet
Mechanical data					
Weight	[g]	125.4			
Housing	threaded type				
Dimensions	[mm]	M30 x 1.5			
Thread designation	M30 x 1.5				
Materials	PPO modified				
Lens material	PMMA				
Displays / operating elements					
Display	switching status		1 x LED, yellow		
Accessories					
Accessories (supplied)	lock nuts: 2 x screwdrivers				
Remarks					
Pack quantity	1 pcs.				
Electrical connection					
Connector: 1 x M12					
					

# OI5021

## Diffuse reflection sensor

OIT-ASI/US-100



### Connection

