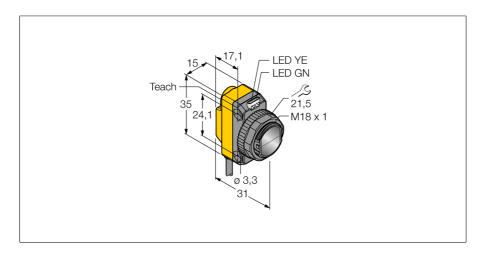
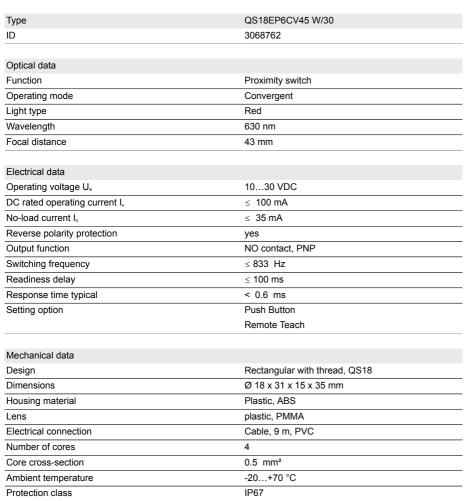


Photoelectric Sensor Convergent Mode Sensor QS18EP6CV45 W/30

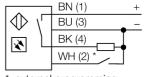






- Cable, PVC, 9 m, 4-wire
- Protection class IP67
- LED all-round visible
- Sensitivity adjusted via teach button
- Operating voltage: 10...30 VDC
- PNP switching output
- Light or dark operation

Wiring Diagram



* external programming

Functional principle

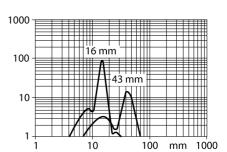
Convergent mode sensors are equipped with a lens in front of the emitter diode that produces a small and intense focal point at a defined distance from the sensor. Similar to diffuse mode sensors, the light reflected by the target is evaluated. Convergent mode sensors are ideal for detection of small targets or colour marks and edge guiding or positioning control of transparent materials. The targets must always be within the focal depth of the sensors. The focal depth is defined as the area in front of or behind the focal point within which the object can be detected. Based on the intense light concentration in the focal point, convergent mode sensors are capable of detecting targets with a low reflectivity.

Excess gain curve

Excess gain in relation to the distance



Special features	keep/defer	
Power-on indication	LED, Green	
Switching state	LED, Yellow	
Error indication	LED, green, Flashing	
Excess gain indication	LED	
Alarm display	LED yellow Flashing	
Tests/approvals		
Approvals	CE, cURus	





Accessories

Type code	Ident no.		Dimension drawing
SMB18A	3033200	Mounting bracket, rectangular, stainless steel, for sensors with 18 mm thread	0 18.5 0 4.6 R 24.2 0 4.6
SMB18AFAM10	3012558	Mounting bracket, material VA 1.4401, for M10 x 1.5 thread, thread length 18 mm	M10 34 16 51 0 19.8
SMBQS18A	3069721	Mounting bracket, stainless steel, for 18 mm thread	
			M18 x 1 24,9 19,4
SMB18SF	3052519	Mounting bracket, PBT black, for sensors with 18 mm thread, rotatable	11.77 50.8 M18 x 1 9 5 36,1 25.4