



Staying InSync With Technology.

**“APPLIED – delivering sensor solutions to the Food Industry”**

## Telco 8000 Series Sensors

Applied Industrial Technologies proudly offers the hardest working photoelectric sensors for use in the Food industry - the Telco 8000 series. These versatile sensors can stand up to the harshest food processing conditions while keeping you InSync with the latest sensor technology.

### Food Processing Applications:

- Sensing Product Presence
- Sensing Product orientation
- Counting
- Flow control

### Benefits/Features:

- **Mounts in tight spots** – small physical size (18 mm)
- **Resists contamination and is totally waterproof** – IP 67-class sealing with Polycarbonate and Stainless Steel construction ensures long life under the harshest wash-down and caustic conditions
- **Detects through objects** – passes information through dirt, grease, packages, etc.
- **Impervious to impact and vibration** – ideal for use on conveyors and other heavy traffic areas
- **Sets up quickly** – easy alignment for less downtime
- **Compatible with present systems** – can be interchanged with most other brands
- **Adapts to your needs** – features thru-beam, fiber optic, retro-reflective or diffuse proximity modes
- **Utilizes a variety of power sources** – 20 - 240 volt AC or 10-30 volt DC



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# 8000 Series Sensors

	<b>SMT</b>	<b>SMR</b>	<b>SMP</b>	<b>SMPF</b>	<b>SMRR</b>
Range, thru beam mode	0-20 m		-		
Range, Proximity retro reflective mode	Approx. 70 cm		Max. 50 cm	Dep. on fiber	Max 3 m
Power supply	20 - 250 VAC or 10 - 30 VDC				
Frequency of operation/ reaction time	AC: 25 ms DC: 2 ms				
Output	-	AC: SCR DC: NPN or PNP transistor output			
Short circuit/Reverse polarity protection	Yes (DC only)				
Current consumption	AC: 3 mA DC: 15 mA				
Output load	AC: 200 mA DC: 120 mA/30V				
Function indicator	Power LED	Output LED, light/dark indicating LED			
Ambient temperature	Operation: Typical -25°C to +55°C Storage -40°C to +80°C				
Sealing	IP67				
Connection cable	2.5 m or 5 m, AC: 2 x 0.25 mm <sup>2</sup> , DC: 3 x 0.14mm <sup>2</sup>				
Connection plug	T-plug: M8 x 1 mm, 3 pins J-plug: M12 x 1 mm, 4 pins, DC only				
Housing material	Polycarbonate, Stainless Steel				
Dimensions (w x h x d)	AC: M18 x 1 x 70 mm DC: M18 x 1 60/71/79 mm				

Contact Your Local Authorized Service Center



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