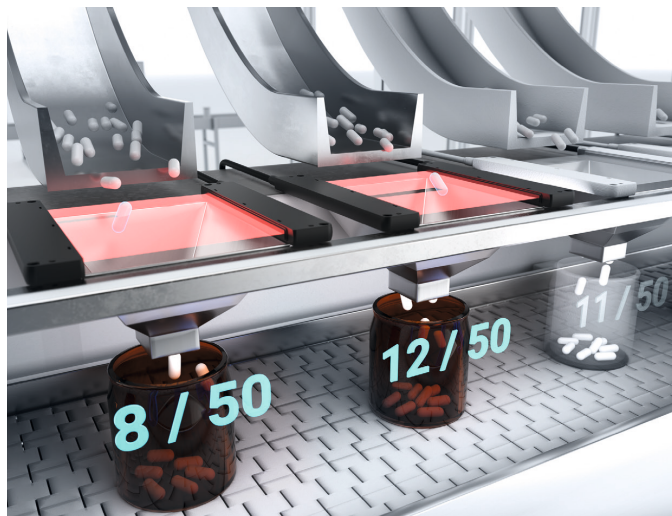


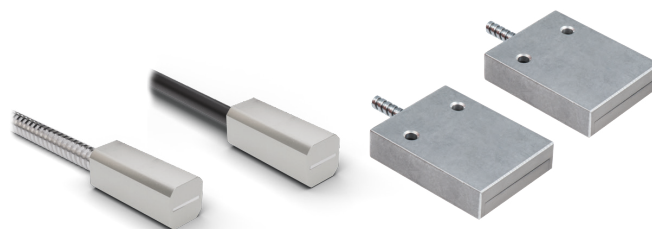
# Baumer fiber optics

## Overview of array glass fiber portfolio



Array fiber optics are used for position-independent detection of irregular objects. Unlike fiber optics with a single, point-shaped light beam, array fiber optics generate a broad, linear light band. Depending on the width of the array fiber optics and the operating principle, the maximum detection area can be adjusted in both the x and y directions. Glass fiber optics are characterized by low signal attenuation, which allows

for efficient light transmission over long distances. Additionally, glass fiber optics can transmit a very broad spectrum of visible, infrared, and ultraviolet light. Glass is a high-quality material that offers excellent thermal and chemical resistance, as well as durability against moisture and UV radiation. Glass fiber optics are the preferred solution in challenging environmental conditions.



Find the perfect solution for your application with the Baumer fiber optics sensor toolbox.

### Array glass fibers

Array width	Diffuse type (front view)		Through-beam type (front view)
	Standard (plastic sheath)	High-temperature (metal sheath)	High-temperature (metal sheath)
8 mm	FUE 050A3001 FUE 050B3001 FUE 100A3001	FUF 025B3001 FUF 050A3001 FUF 050B3001 FUF 100A3001	FSF 050A3020 FSF 100A3020
20 mm			FSF 050A3021 FSF 100A3021
35 mm			FSF 050A3022 FSF 100A3022

The **first three numbers** of the type code indicate the length of the fiber optics, e.g. FUE **050**A3001 indicates a length of 50 cm. The letter A or B in the type code indicate the fitting fiber optical sensor. "A" is compatible with FZAM 18 or FZAM 30 and "B" is compatible with FVDM 15.

