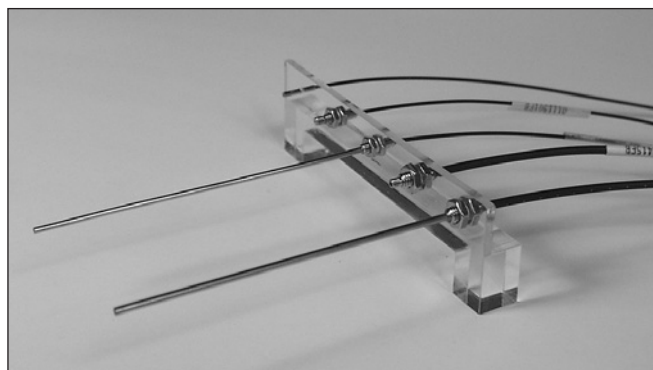


# Photoelectrics Fibre Optics, Plastic Types FPT, FPD

CARLO GAVAZZI



- Fibre diameter  $\varnothing 0.25, 0.5$  or  $1.0$
- Bending radius  $10$  or  $25$  mm
- For use with PD40 and PD60 series

## Type Selection

| Length<br>[cm] | Diameter<br>[mm] | Bending<br>radius [mm] | Distance [mm] |      | Dimensions<br>[mm] |  | Ordering no.                                   |
|----------------|------------------|------------------------|---------------|------|--------------------|--|--|
|                |                  |                        | PD40          | PD60 |                    |  |  |
| 200            | 0.5/1.0          | 10                     | 15            | 30   |                    |  | <b>FPD 01 SBS 200</b><br><b>FPT 01 SBS 200</b> |
| 200            | 0.5/1.0          | 10                     | 50            | 100  |                    |  | <b>FPD 02 SBS 200</b>                          |
| 200            | 1.0/2.2          | 25                     | 120           | 200  |                    |  | <b>FPT 03 SCM 200</b><br><b>FPT 03 SCS 200</b> |
| 200            | 1.0/2.2          | 25                     | 120           | 200  |                    |  | <b>FPT 04 SCS 200</b>                          |
| 200            | 0.5/1.0          | 10                     | 50            | 100  |                    |  | <b>FPT 05 SBS 200</b>                          |
| 200            | 1.0/2.2          | 25                     | 40            | 80   |                    |  | <b>FPD 06 SCC 200</b>                          |
| 200            | 1.0/2.2          | 25                     | 50            | 80   |                    |  | <b>FPD 07 SCS 200</b>                          |
| 200            | 1.0/2.2          | 25                     | 50            | 80   |                    |  | <b>FPD 08 SCM 200</b><br><b>FPD 08 SCS 200</b> |
| 200            | 0.25/1.0         | 10                     | 5             | 10   |                    |  | <b>FPD 09 SAS 200</b><br><b>FPT 09 SAS 200</b> |
| 200            | 0.25/1.0         | 10                     | 50            | 100  |                    |  |  |



## General Specifications

|  |  |   |   |
|--|--|---|---|
| <b>Temperature range</b><br>Operating temperature<br>Storage temperature | -25 to +60°C (-13 to +140°F)<br>-40 to +80°C (-40 to +176°F) | <b>Materials</b><br>Fibre<br>Sheath<br><br>Detection head | PE (polyethylene)<br>PMMA<br>(polymethyl methacrylate)<br>Nickel-plated brass |
|--|--|---|---|

## Accessories

|   |   |             |             |             |          |         |        |          |        |        |                                   |
|---|---|-------------|-------------|-------------|----------|---------|--------|----------|--------|--------|-----------------------------------|
| <b>AFP 01</b><br>For fibre optic FPD 02../FPD 09 ..<br> | <b>AFPT 02</b><br>Head: NPB, lens: Plastic<br><br><table border="1"> <tr> <td></td> <td><b>PD60</b></td> <td><b>PD40</b></td> </tr> <tr> <td>FPT03SC.</td> <td>1200 mm</td> <td>500 mm</td> </tr> <tr> <td>FPT01SBC</td> <td>400 mm</td> <td>200 mm</td> </tr> </table> |             | <b>PD60</b> | <b>PD40</b> | FPT03SC. | 1200 mm | 500 mm | FPT01SBC | 400 mm | 200 mm | <b>AFP 02</b><br>Fibre cutter<br> |
|   | <b>PD60</b>   | <b>PD40</b> |             |             |          |         |        |          |        |        |                                   |
| FPT03SC.  | 1200 mm   | 500 mm      |             |             |          |         |        |          |        |        |                                   |
| FPT01SBC  | 400 mm  | 200 mm      |             |             |          |         |        |          |        |        |                                   |

## Ordering Key

|                                   |                       |
|-----------------------------------|-----------------------|
|                                   | <b>FPD 01 SBS 200</b> |
| <b>Optic Fibre</b> _____          |                       |
| <b>Fibre material</b> _____       |                       |
| P Plastic, PMMA                   |                       |
| <b>Fibre type</b> _____           |                       |
| D Diffuse                         |                       |
| T Through-beam                    |                       |
| <b>Sensor head 01-99</b> _____    |                       |
| Forthrunning type number          |                       |
| <b>Sheath material</b> _____      |                       |
| S Standard plastic, Polyethylene  |                       |
| <b>Fibre diameter</b> _____       |                       |
| A 0.25 mm                         |                       |
| B 0.5 mm                          |                       |
| C 1.0 mm                          |                       |
| <b>Core condition</b> _____       |                       |
| S Single core                     |                       |
| M Multicore                       |                       |
| C Coax                            |                       |
| <b>Fibre length 001-999</b> _____ |                       |
| cm 1 cm to 9.9 m                  |                       |