

|                           |                                                  |
|---------------------------|--------------------------------------------------|
| 29140098                  | <b>DATA SHEET</b>                                |
| Valid from:<br>30.11.2018 | <b>POF CONNECTOR HFBR4501 (*C) SIMPLEX /50PC</b> |

## Description

- POF optical fibre connector HFBR
- Suitable for polymer optical fibres
- Compatible with HFBR Versatile Link
- Easy manufacturing by crimping



## General characteristics

|                                               |                                                                                                     |
|-----------------------------------------------|-----------------------------------------------------------------------------------------------------|
| Connector, type                               | HFBR                                                                                                |
| Suitable optical fibres (acc. IEC 60793-2-40) | A4a & A4d (Polymer fibre, Ø1 mm)                                                                    |
| Suitable cable-Ø                              | 2.2 mm                                                                                              |
| Degree of protection                          | IP 20                                                                                               |
| Temperature range                             | -40 to +85 °C (-40 to +185 °F) (operation + storage)<br>0 to +70 °C (+32 to +158 °F) (installation) |

## Variation

| Article  | Description                             | Colour (*C) | Package size [pcs] |
|----------|-----------------------------------------|-------------|--------------------|
| 29140098 | POF Connector HFBR4501 GY Simplex /50PC | GY (grey)   | 50                 |
| 29140099 | POF Connector HFBR4501 GY Simplex /4PC  | GY (grey)   | 4                  |
| 29143098 | POF Connector HFBR4511 BL Simplex /50PC | BL (blue)   | 50                 |
| 29143099 | POF Connector HFBR4511 BL Simplex /4PC  | BL (blue)   | 4                  |

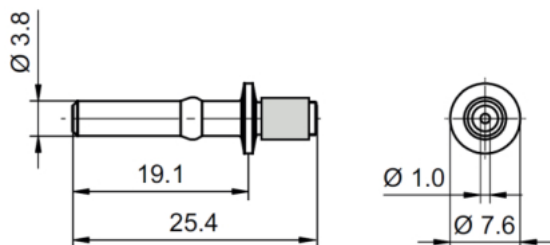
## Optical properties

|                                |                                                                  |
|--------------------------------|------------------------------------------------------------------|
| Insertion loss (IL) min./ max. | 0.7 dB/ 2.8 dB (1 mm POF, polished end face, at +25 °C (+77 °F)) |
|--------------------------------|------------------------------------------------------------------|

## Mechanical properties

|                                                           |         |
|-----------------------------------------------------------|---------|
| Ferrule, material                                         | Plastic |
| Crimping, material                                        | Metal   |
| Retention force of fibre optic cable min.                 | 8.5 N   |
| Insertion force in receptacle (TOTX /-RX module) max.     | 30 N    |
| Withdrawing force from receptacle (TOTX /-RX module) min. | 3 N     |

## Technical drawing



## Application range

Optical networks, industry electronics, power electronics

## Note

Photographs are not true to scale and do not represent detailed images of the respective products.

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