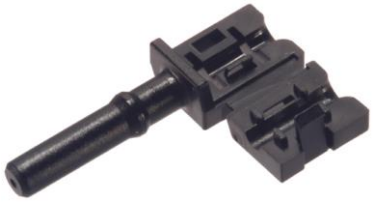
29146098	DATA SHEET
Valid from: 29.04.2019	POF CONNECTOR HFBR4531 BK SIMPLEX /50PC

Description

- POF optical fiber connector HFBR 4531 / 4533
- Suitable for polymer optical fibers
- Easy manufacturing by pressing



General characteristics

Connector, type	HFBR 4531 and 4533, compatible to Versatile Link series
Suitable optical fibers (acc. IEC60793-2-40)	A4a & A4d (Polymer fiber, Ø1mm)
Suitable cable-Ø	2.2 mm
Degree of protection	IP 20
Temperature range	-40 to +80 °C (-40 to +176 °F) (operation + storage) 0 to +70°C (+32 to 158 °F) (installation)

Variation

Article	Description	Housing color	Package size [pcs]
29146098	POF CONNECTOR HFBR4531 BK SIMPLEX /50PC	black	50
29146099	POF CONNECTOR HFBR4531 BK SIMPLEX /4PC	black	4
29146100*	POF STECKER HFBR4531 BK SIMPLEX /1000ST	black	1000
29148098	POF CONNECTOR HFBR4533 BL SIMPLEX /50PC	blue	50
29148099	POF CONNECTOR HFBR4533 BL SIMPLEX /4PC	blue	4

*Delivered with dust cover

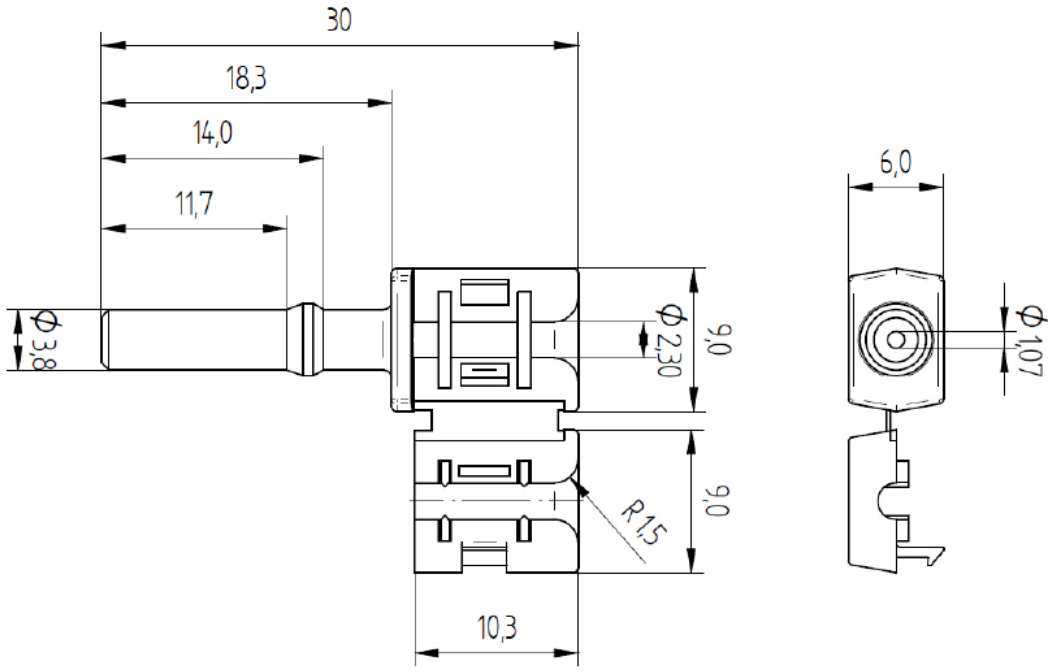
Optical properties

Typical insertion loss (IL)	0.6 dB (cable with PA-coating) 0.5 dB (cable with PE-coating) 0.7 dB (cable with PVC-coating)

Mechanical properties

Housing, material	PC
Insertion force in module (TOTX /-RX)	12 N
Withdrawing force in module (TOTX /-RX)	10 N
Tensile strength after assembly	50 N (cable with PA-coating) 60 N (cable with PE-coating) 35 N (cable with PVC-coating)
Pressing force for assembly	70 N (cable with PA-coating) 50 N (cable with PE-coating) 45 N (cable with PVC-coating)

Technical drawing



Application range

Optical networks, industry electronics, power electronics, consumer electronics

Note

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