

29150098	DATA SHEET
Valid from: 02.07.2018	POF Connector F05 Simplex /50PC

Description

- POF optical fiber connector F-05
- Suitable for polymer optical fibers
- Easy manufacturing by pressing



General characteristics

Connector, type	F-05
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 + transport)

Variation

Article	Description	Package size [pcs]
29150098	POF Connector F05 Simplex /50PC	50
29150099	POF Connector F05 Simplex /4PC	4

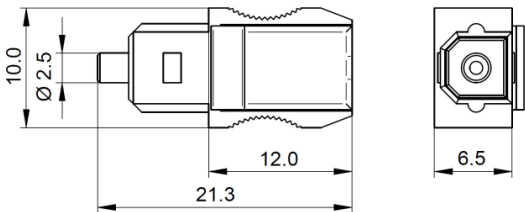
Optical properties

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	PPE / PS-I
Ferrule, material	PPE / PS-I
Insertion force in module (TOTX /-RX)	14 N
Withdrawing force in module (TOTX /-RX)	13 N
Tensile strength after assembly	110 N (cable with PA-coating)
	60 N (cable with PE-coating)
	35 N (cable with PVC-coating)
Pressing force for assembly	195 N (cable with PA-coating)
	175 N (cable with PE-coating)
	155 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.

Document: DB29150098EN Version: 00	Page 1 of 1
---------------------------------------	-------------