



| ØXXX | Y [mm] | Toleranz |
|--------|--------|----------|
| <199µm | 1 | +0,05 |
| >199µm | 2 | +0,05 |



All dimensions are in mm; tolerances acc. ISO 2768 m-H

Properties

Connector for medical an industrial laser applications. Characteristic for these is the free-standing fiber for high coupling power. At the assembly, the cleaved or polished fiber is adjusted to a reference point (focal point).

Interface

F-SMA according to IEC 61754-22

Material for connectors

Ferrule: metal (sterilisable)
 Connector Body: metal (sterilisable)
 Protecting cap: PEEK (sterilisable)

Optical Data

Max recommended launch Power 100 W (dep. On quality of laser beam)

Mechanical data

Tension force > 100 N (depending on the cable/fiber)
 Mating Cycles > 1000

Environmental Data

Operation Temperature range -25°C to +125°C (dep. on fibre/cable material)

Diameter of fiber guiding bore

Customized : 100 µm to 1.500µm

Packaging

Standard Packaging

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Part Number

| | |
|-------------------------|-------------------|
| Protection cap | 98 FS 100-xxx/50 |
| Protection cap, screwed | 98 FS 100-xxx/ 30 |
| Mini Connector | 98 LS 201-xxx |
| Short Connector | 98 LS 203-xxx |
| Long Connector | 98 LS 205-xxx |
| Spring Chuck Ø [mm] | |
| 0.45 | 98 LSZK/0450 |
| 0.52 | 98 LSZK/0520 |
| 0.75 | 98 LSZK/0750 |
| 1.0 | 98 LSZK/1020 |
| 1.3 | 98 LSZK/1300 |
| Screw Ø [mm] | |
| 0.60 | 98 LSZ6/0600 |
| 0.90 | 98 LSZ6/0900 |
| 1.5 | 98 LSZ6/1500 |
| Boot Ø [mm] | |
| 0.9 | 98 Z 108SW |
| 2.1 | 98 Z 107SW |
| 2.9 | 98 Z 106SW |



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| Draft | Date | Approved | Date | Rev. | Engineering change number | Name | Date |
|---------|------------|------------|------------|------|---------------------------|---------|------------|
| Y.Zhang | 09.02.2017 | H.Jungbäck | 09.02.2017 | 005 | --- | Y.Zhang | 09.02.2017 |