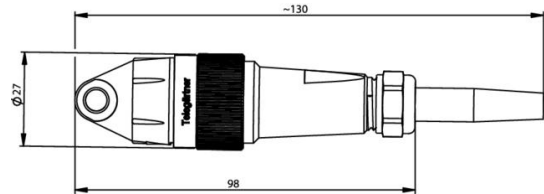


order number: J08083H0000

Hybrid connector 2xSC IP67 for Multimode incl. 2 electr. contact pins



Technical Attributes	
Short name	Hybrid connector 2xSC IP67 for Multimode incl. 2 electr. contact pins
Remarks	for field assembly electrical connection AWG 22-24

## Product description

For Applications with long transmission lines, high EMC exposure or explosive atmospheres FO connectors with protection class IP67 are indispensable. Telegärtner's FO connector itself consists of bulkhead with a 2SC adaptor and a Duplex plug and is available for GOF and POF fibres. To withstand the rough conditions the robust SC mating face has been integrated into a non-crush metal housing; the spring-loaded protective sleeve ensures optimum protection of the fibre end faces. The connector can be terminated on-site with a standard SC assembly tool set; a crimp sleeve serves as strain relief and the connector is sealed by a cable gland. A screwed, captive cap serves as pulling eye as well as for protection when not connected. The flange mounting outlet is sealed by a protective swivel lid. The connection interface is polarization-proof and the adaptor housing can additionally be mounted in 4x90° positions.

## Performance Characteristics

- UV-resistant plastic, fire rating UL94 V0
- polarization-proof connector interface 2xSC with 2.5 mm ferrules and spacing as "SC-RJ" (acc. to IEC 61754-24)
- robust screw coupling with metal fixing nut
- colour coding: Multimode = beige, Singlemode = blue
- protection class IP67 when not connected, with screwed, captive protective cap with pulling eyelet
- spring-loaded sleeve ensures optimum protection of the fiber face ends
- robust unbreakable design with metal housing
- can be terminated in the field with standard assembly tool set for SC connectors

- strain relief by crimping, sealing by cable gland
- dimensions length without cable boot: 100 mm, ø 27 mm

Mechanical Characteristics	
Insertion force	≤ 30 N
Durability (mating cycles)	≥ 750
Material: connector housing	AlMgSi1
Material: knurled nut	AlMgSi1
Material: O-ring	NBR
Material: plug retainer	zinc diecast, nickel-plated
Material: plug	SC
Material: ferrule	
Material: crimp sleeve	Copper nickel-plated
Material: cable boot	TPE black
Material: dust cap	TPE
Material: protective cap IP67	POM
Material: elastic band	Polyamid
buffered optical fiber diameter	0.9 mm
Subcable diameter	2.5 - 3 mm
Overall cable diameter	5.0 - 8.0 mm

Electrical Characteristics	
Insertion loss	Singlemode: max. 0.5 db, Multimode: max. 0.4 dB
Return loss	min. 40 dB

Standards	
Connectors	similar to IEC 61754-24
Degrees of protection provided by enclosures (IP code)	IEC 60529