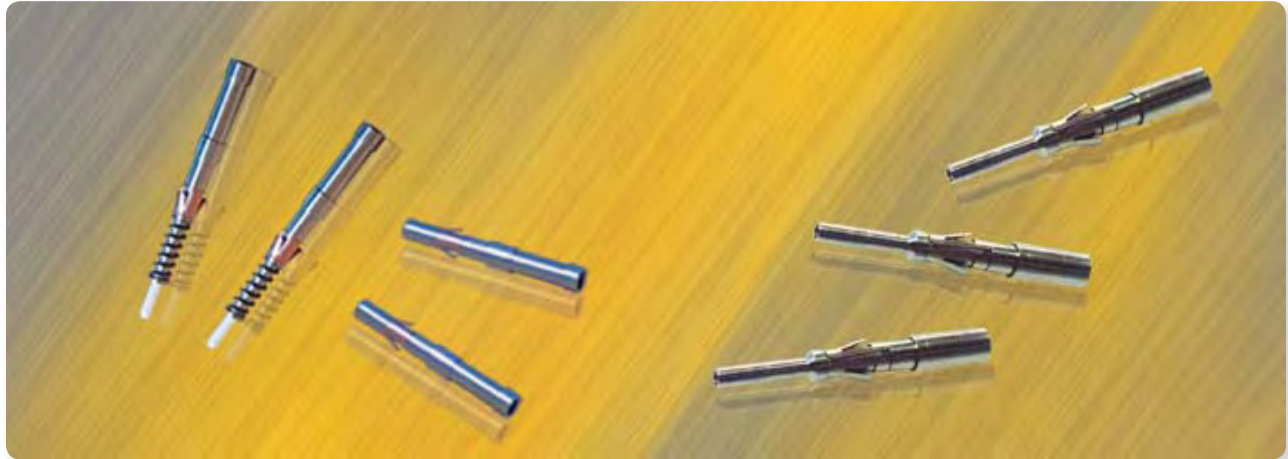


Fibre optic contacts size 16



Description

Size 16 Fibre optic contacts for TRIM TRIO® connectors

Size 16 Fibre optic contacts are optical contacts designed for the integration of optical links in all TRIM TRIO® cable connectors.

The Fibre optic contacts are designed to accommodate:


- Plastic Optical Fibre (POF)
1 mm core and 2.2 mm jacket
- Plastic Clad Fibre (PCF)
230µm core and 2.2 mm jacket
- Multimode Silica Fibre
62.5/125µm type 2.0 mm max. jacket
- Singlemode Silica Fibre
9/125µm type 2.0 mm jacket

Typical features and benefits are :

- Socket contact is spring loaded to avoid any air gap between the two optical faces.
- Low insertion loss is provided by high precision pieces.
- Single jumpers, multiway harness and active device housings can be supplied regarding customer requirement.

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Fibre optic contacts size 16



Technical characteristics

Performance

	POF/PCF	Multimode	Singlemode
• Fibre type:			
• Wave length:	650 nm	62.5/125µm 1300 nm	9/125µm 1310 nm
• Optical insertion loss (typ.):	2 dB max.	< 0.5 dB	< 0.35 dB
• Jacketed external diameter:	2.2mm	2.0mm max.	2.0mm max.
• Temperature range:	-25°C to +70°C	-25°C to +70°C	-25°C to +70°C
• Cable retention:	49N		
• Mating cycles without cleaning:	50		
• Max. mating cycles:	500		

Construction

- Contact body: Copper alloy

Connector accommodation

Any TRIM TRIO® size 16 contact can be used in any contact position in any connector in the TRIM TRIO® size 16 interconnection system : UTP, UTS, UTG, UTO.

Ordering information

POF Contacts (Plastic Optical Fibre)

Male contact	RMPOF1000
Female contact	RCPOF1000B

Silica Contacts - Multimode

Male contact	RMMMFOFA
Female contact	RCMMFOFA


PCF Contacts (Plastic Clad Fibre)

Male contact	RMPCF230
Female contact	RCPOF230B

Silica Contacts - Monomode

Male contact	RMSMOFA
Female contact	RCSMOFA

Tooling kit



POF Contact (Plastic Optical Fibre)

STANDARD TOOLING KIT - P/N 80MS0004

The *standard tooling kit* is made of the part numbers below that can be ordered separately as well.


Part numbers	Descriptions
80WD005	Stripping tool
80WD0025	Automatic stripping tool for Ø 0.5 mm, 0.6 mm, 0.7 mm & 3.8 mm
80WM0006	Ruler
80WP0005	Polishing plate
80WP0013	Non slip base (to hold the polishing plate)
80WP0014	Polishing disk (grain size 9µm)
80WP0018	Polishing tool
80WP0019	Polishing disk (grain size 30µm)
80WS0002	Crimping plier

SPECIFIC TOOLING LIST - can be ordered only separatly

Part numbers	Descriptions
80WG0010	Needle
80WG0015	Capsule
80WG0016	Syringe
80WN0005	Dry air spray
80WN0006	Optical paper
80WN0012	Dropping bottle
80WN0008	Wiping solvent

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PCF Contact (Plastic Clad Fibre)

STANDARD TOOLING KIT - P/N 80MG0039

Descriptions	Descriptions
Stripping tool for Ø 2.2 mm	Polishing disk (grain size 9µm)
Kevlar scissors	Polishing disk (grain size 0.3µm)
Stripping tool for Ø 0.25 mm	Curing oven
Alumina blade	Polishing plate
Polishing tool	Non slip base (to hold the polishing plate)
Press fit tool	Glue
Microscope	



Multimode Contact - Silica

STANDARD TOOLING KIT - P/N 80MG0027

The *standard tooling kit* is made of the part numbers below that can be ordered separately as well.

Part numbers	Descriptions
80WC0001	Aramid yarn scissors
80WC0003	Cutter
80WC0004	Alumina blade
80WD0008	Stripping tool for Ø 0.20 mm
80WD0010	Stripping tool for Ø 0.25 mm
80WD0014	Stripping tool for Ø 0.60 mm
80WD0025	Automatic stripping tool for Ø 0.5 mm, 0.6 mm, 0.7 mm & 3.8 mm
80WM0006	Ruler
80WP0005	Polishing plate
80WP0013	Non slip base (to hold the polishing plate)
80WT0008	Curing oven
80WT0009	Protective tube

SPECIFIC TOOLING LIST - can be ordered only separately

Part numbers	Descriptions
80WD0036	Stripping tool for Ø 0.9 mm & 0.25 mm
80WD0005	Stripping tool for Ø 2.2 mm & 1.5 mm
80WL0001	Microscope x400
80WL0008	Microscope adaptor
80WP0025	Polishing tool
80WS0002	Crimping tool
80WT0005	Contact support for polymerisation
80WG0010	Needle
80WG0014	Glue
80WG0015	Capsule
80WG0016	Syringe
80WN0005	Dry air spray
80WN0006	Optical paper
80WN0012	Dropping bottle
80WP0014	Polishing disk (grain size 9µm)
80WP0015	Polishing disk (grain size 0.3µm)

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