

# Fibre optic contacts



## Size 16 Fibre optic contacts for TRIM TRIO connectors

### Description

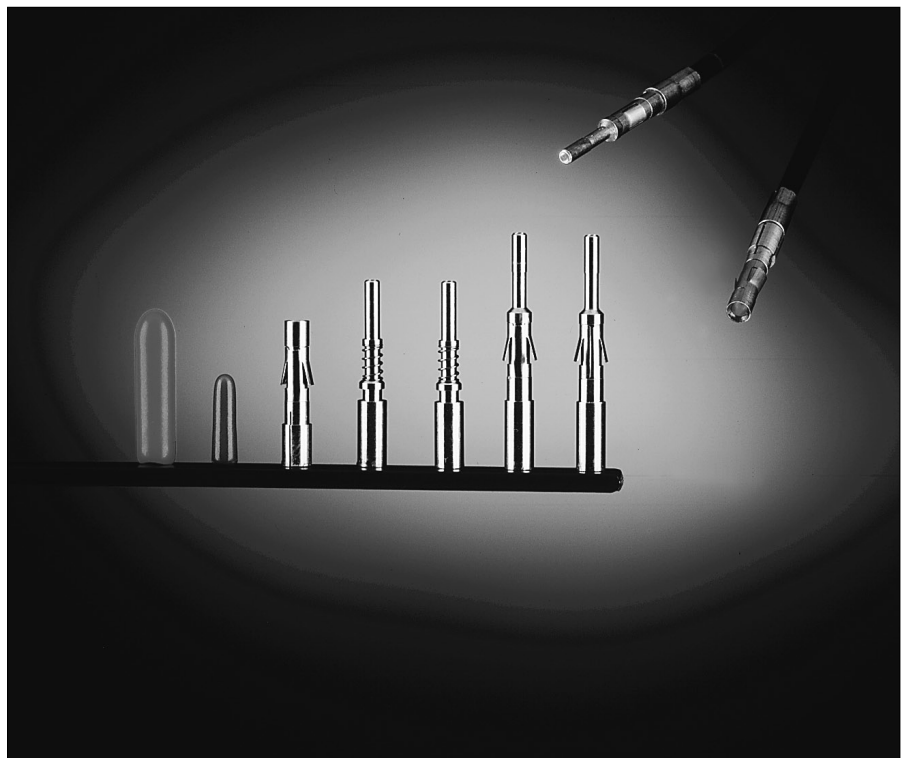
Size 16 Fibre optic contacts are optical contacts designed for the integration of optical links in all TRIM TRIO cable connectors.

The F.O. contacts are designed to accommodate:

- Plastic Optical Fibre (POF)  
1mm core and 2.2mm jacket
- Plastic Clad Fibre (PCF)  
230 µm core and 2.2mm jacket
- Multimode Silica Fibre  
50/125 µm type 1.5mm (or 900µm) jacket

### Features and benefits

- 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.



### Performance characteristics

Fibre type	POF / PCF	Silica 50 / 125µm
Wave length	650 nm	850 or 1300 nm
Optical insertion loss (typ.)	2 dB max.	< 0.5 dB
Jacketed external diameter	2.2mm	1.5mm (or 0.9mm with adaptor)
Temperature range	-25°C to +70°C	-40°C to +70°C
Cable retention	49N	60N
Mating cycles without cleaning	50	50
Max. mating cycles	500	250

### 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.

- MS-M / MSG / MB
- SMS Qikmate
- UTG
- UTP
- UTO

### Construction

Contact body: Copper alloy

Outer spring: BeCu

### How to order

#### POF Contacts (Plastic Optical Fibre)

Male contact: RMPOF1000

Female contact: RCPOF1000

#### PCF Contacts (Plastic Clad Fibre)

Male contact: RMPCF230

Female contact: RCPCF230

#### Silica Contacts

Male contact: 8012P14G353

Female contact: 8012S14G353

### Tool kit

#### Crimping / polishing technic

The tool kit contains all necessary tools to terminate contacts for POF fibre or Silica fibre, such as

- Stripping plier
- Crimping plier
- Polishing plate and tool
- Miscellaneous

Part number: consult factory