



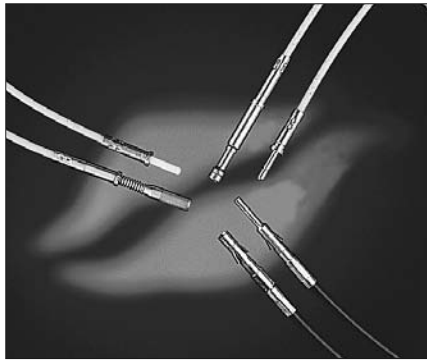
8012 Series

Applications

8012 optical contacts are designed for the integration of optical links inside standard electrical connectors

Standards

MIL-T 29504 when applicable
DIN 41626 when applicable



Description

- Either the pin or 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, multiways harness and active device housings can be supplied regarding customer requirement.

Characteristics

Performances

- Typical attenuation at 850 nm
 - 1.5 dB with 50/125 fiber (metal probe)
 - 1.0 dB with 100/140 fiber (metal probe)
 - 0.8 dB with HCS 200/230 fiber (metal probe)
 - 0.5 dB with 100/140 fiber (ceramic version)

Materials of contact

- All- arcap materials (rust proof)
- ceramic probe when applicable
- stainless steel : spring

Main fibers used

- 50/125 - 62,5/125
- 100/140
- HCS 200/230
- polymer fibre 1 mm

Fibre termination

Technology

- gluing / polishing for G, D, R fibre types
- crimping / polishing for J fibre type

Tool kit

Gluing / polishing technic

P/N : 80-MG0027

The tool kit contains common tools whatever P/N the contact series or cable diameter is, to terminate contacts :

- stripping pliers for cable and fibre
- polishing plate
- curing oven
- polymerization supports
- miscellaneous tools.

Crimping plier and polishing tool must be ordered separately following the contact series and cable diameter

- crimping plier for cable type 61 P/N : 80-WS0002
- crimping plier for cable type 68 P/N : 80-WS0004
- polishing tool for series 11 P/N : 80-WP0012
- polishing tools for series 42, 43, 54 and 55

- coarse polishing P/N : 80-WP0003
- final polishing P/N : 80-WP0004

Crimping / polishing technic (plastic fibre 1 mm)

The tool kit contains all necessary tools to terminate contacts for plastic fibre, such as :

- stripping plier
- crimping plier
- polishing plate and tool
- miscellaneous

- contacts for plastic fibre series 14 P/N : 80-MS0004
- contact for plastic fibre series 32 and 33 P/N : 80-MS0006

Options can be ordered separately

- microscope/high magnification x200 P/N : 80-WL0007
- x400 P/N : 80-WL0001
- microscope adapter for series 11 P/N : 80-WL0008
- microscope adapter for series 42, 43, 54 and 55 P/N : 80-WL0002

Consumable kit

P/N : 80-KG0009

The consumable kit contains all necessary materials to terminate about 50 plugs such as :

- polishing disks
- glue
- syringes and needles
- ethanol
- dry air canned
- miscellaneous.

Cleaning kit

P/N : 80-KN0002

The cleaning kit contains all necessary items to clean either plugs, couplers or device housings such as :

- ecological cleaning spray
- dry air canned
- ethanol
- paper sticks
- cleaning paper.



8012 Series

Ordering information

basic series		8012	P	11	G	5	61
P - fixed male contact S - spring - loaded mobile female contact C - fixed - active device M - spring - loaded mobile male contact F - fixed female contact		} only for plastic fibre in D.SUB or DIN 41612 connectors					
index number	Optical standard	Type of FCI connector	Standards or specifications of multiway connectors				
11 for connectors cavity size 16	MIL T 29504	{ 8 LT 8 D	HE 308 MIL-C 38999 Series I-III-IV				
14 for connectors cavity size 16		{ 8 P- 8 PM 8291 TRIM-TRIO	DIN 43651 HE 621-HE 622				
32 for coaxial cavity	} plastic fibre only	8609	DIN 41612				
33 for coaxial cavity		DMW	HE 501-MIL-C 24308 D-SUB				
42 for coaxial cavity metallic probe contact	DIN 41626	8609	DIN 41612				
43 for coaxial cavity metallic probe contact	DIN 41626	DMW	D-SUB HE 501 MIL-C 24308				
54 for coaxial cavity ceramic probe contact	DIN 41626	8609	DIN 41612				
55 for coaxial cavity ceramic probe contact	DIN 41626	DMW	D-SUB - HE 501 - MIL-C 24308				
fibre type	G - 50/125 μ -62,5/125 μ (for index number 11 only) D - 100/140 μ (for index number 42, 43, 54, 55) R - 200/230 HCS (for index number 11, 42, 43) J - 1000 μ plastic fiber (for index number 14, 32, 33)						
others fibers	consult us						
modification code	O - depending on the version : please consult us						
cable type	62 - cable dia. 2.2 mm (plastic fibre for index number 14, 32, 33) 61 - cable dia. 1.5 mm (for index number 11, 42, 43, 54 and 55) 68 - cable dia. 2.6 mm (for index number 42, 43, 54, 55)						
device housing	Blank Active devices are also available to fit coaxial cavities of PCB connectors (D-SUB/DIN 41612) as well as pig-tailed active device housings. Please consult us to define electro optic characteristics						

