

SOURIAU
FSMA 8005



Application

FSMA 8005 connectors can connect most optical fibres for a variety of applications such as :

- computer industry,
- industrial links,
- instrumentation,
- aeronautical and military applications

Standards

mil C 83522
 UTE CF 02 - NFC 93813
 IEC SC 86 B



Description

FSMA 8005 connectors range includes : plugs, in line couplers, thru-bulkhead adaptators, and device housings to accomodate led's and photo diodes for printed circuit board mounting. Jumpers and active device housings can be supplied regarding customer requirement.

Characteristics

- Performances :
 attenuation at typical : 850 nm
 50/125 μ : 1,5 dB
 100/140 μ : 1 dB

Materials :

connector in arcap, rust proof material, alignment by precision drilled jewel or fully metallic probe.

Electrical :

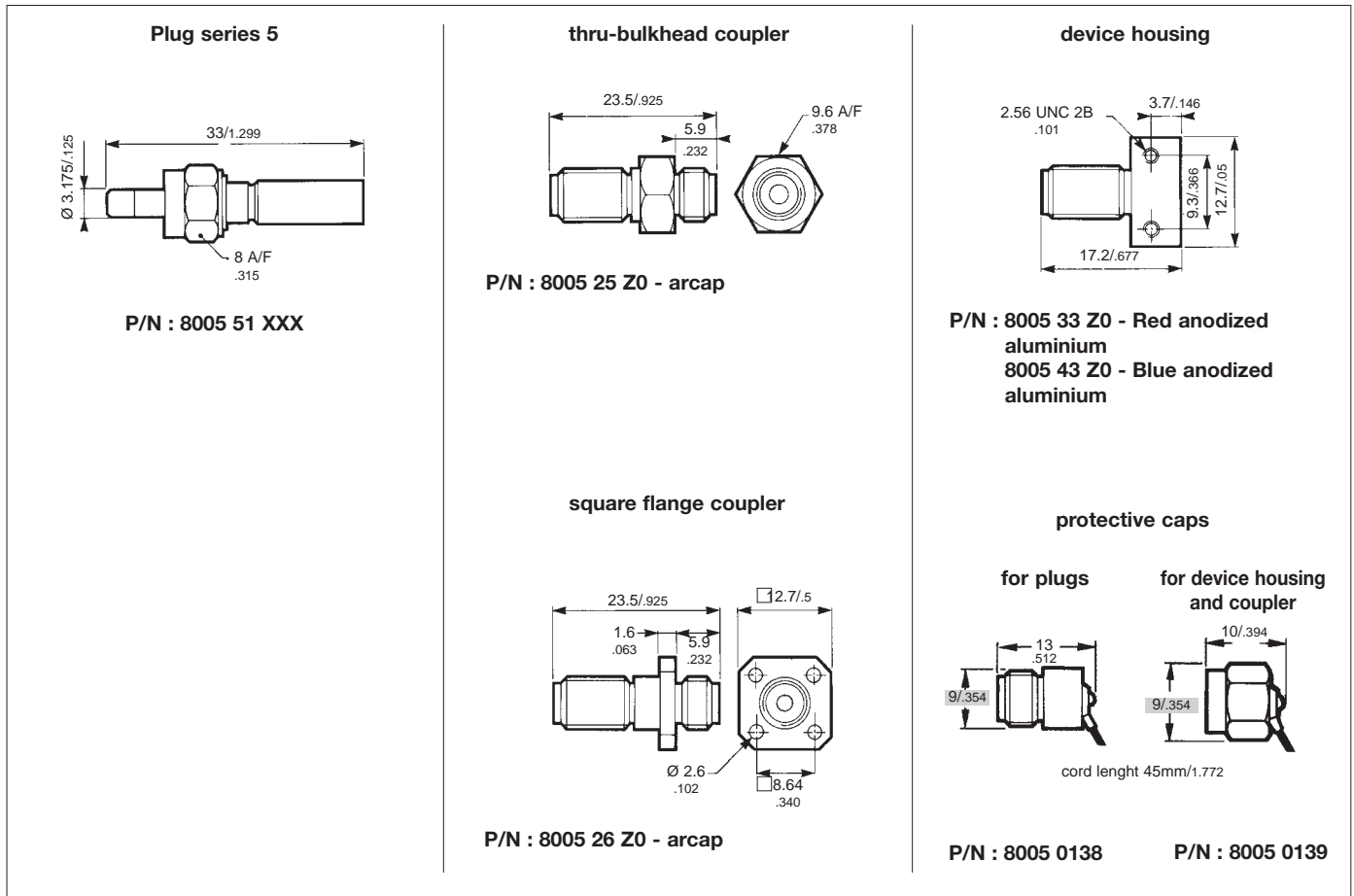
- Temperature range : depends on the cable and fibre used :
 - 20 to + 70° C for standard applications
 - 40 to + 85° C for military and aeronautical applications

Ordering information

basic series		8005	5	1	G	0	2	7
plugs		51 - gluing / polishing (silica fibre) 53 - crimping / polishing (plastic fibre) 59 - sealed version plug						
Couplers	Arcap	25 - thru-bulkhead / coupler 26 - square flange / coupler						
device housings	AU4G Anodized	33 - PC red receptacle (Emitter) 43 - PC blue receptacle (Receiver)						
Fibres type	G - 50/125 - 62.5/125 μ silica fibre H - 100/140/250 to 500 μ silica fibre R - 200/230/500 μ HCS J - 1000 μ plastic fibre Z - for device housings and couplers							
Other fibres :	consult us							
modification code * depending on the version : please consult us								
cables type								
Cable diameters (mm)	61 \varnothing 1.5 62 \varnothing 2.2 (Plastic fiber) 27 \varnothing 2.7 23 \varnothing 3 36 \varnothing 6 (reinforcement plastic fiber \varnothing 2.2)							
For other cable types, consult us								
For adaptors, leave blank.								
Device housings details Centering rings depend on component type, please consult us for the part number.								



Dimensions



Fibre termination

• Technology

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

• Tool kit

P/N : 80 MG-0018

The tool kit contains all necessary tools to terminate plugs in gluing / polishing technic.

- stripping pliers
- polishing tools (coarse and final)
- curing oven
- miscellaneous tool

NB : the crimping tool must be ordered separately depending on the cable diameter (type 23, 27 or 61)

• Tool kit

P/N : 80-MS0002

The tool kit contains all necessary tools to terminate plugs for plastic fiber (type J) such as :

- stripping pliers
- polishing tool
- miscellaneous tool

NB : the crimping tool must be ordered separately depending on the cable diameter (type 62 or 36)

• Options can be ordered separately to complete the tool kit :

- | | | |
|--|------|-----------------|
| - microscope/high magnification | X200 | P/N : 80-WL0007 |
| | X400 | P/N : 80-WL0001 |
| - microscope adapter | | P/N : 80-WL0020 |
| - crimping plier for cable type 23 or 27 | | P/N : 80-WS0003 |
| - crimping plier for cable type 62 or 36 | | P/N : 80-WS0019 |
| - crimping plier for cable type 61 | | P/N : 80-WS0002 |

• 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