

ABS1213-002

Issue 2 Page 1 of 8 July 2006

Aerospace series

Connectors, optical, circular Part 002: General

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Contents

- Scope
 Normative references
 Requirements

1 Scope

This standard specifies the general over view of optical circular connector family.

2 Normative references

This Airbus Standard incorporates by dated or undated reference provisions from other publications. All normative references cited at the appropriate places in the text are listed hereafter. For dated references, subsequent amendments to or revisions of any these publications apply to this Airbus Standard only when incorporated in it by amendment of revision. For undated references, the latest issue of the publication referred to shall be applied.

ABS1213-001	Aerospace series - Connectors, optical, circular - Part 001: Technical specification
ABS1213-003	Aerospace series - Connectors, optical, circular - Part 003: Plug with male insert
ABS1213-004	Aerospace series - Connectors, optical, circular - Part 004: Receptacle with female insert
ABS1213-005	Aerospace series - Connectors, optical, circular - Part 005: Dummy receptacle
ABS1213-006	Aerospace series - Connectors, optical, circular - Part 006: Filler plug
ABS1379-003	Aerospace series – Contact, optical, for connectors ARINC404, ARINC600, EN3545, ABS1213-003, ABS1213-004, ABS1340, ABS1343, ABS1426, ABS1427 and ABS1054

3 Requirements

3.1 Configuration, dimensions, tolerances and mass

The configuration, dimensions, tolerances and mass shall be in accordance with the product standards of the ABS1213-003 to ABS1213-006.

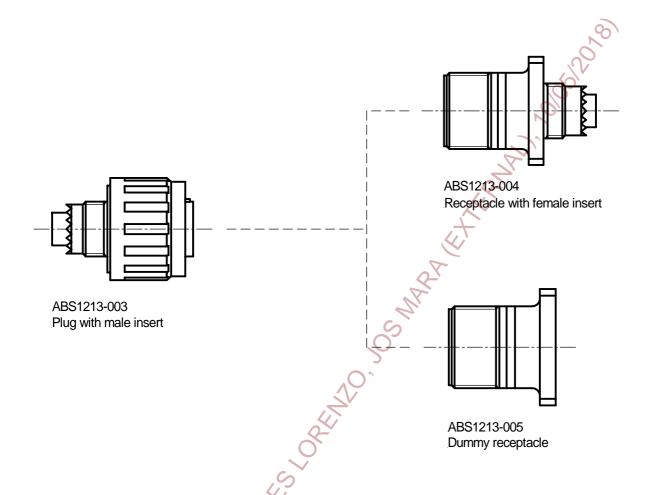


Figure 1: Overview of the optical circular connector family

Table 1: Type code

Type code	Standard number	Description
Р	ABS1213-003	Plug with male insert
S	ABS1213-004	Receptacle with female insert
s	ABS1213-005	Dummy receptacle
F, M	ABS1213-006	Filler plug, female
M	AB31213-000	Filler plug, male

3.2 Contact layout

See table 2.

Table 2: Contact layout

Table 2: Contact layout				
Shell size code	Contact layout code	Layout (Front face plug side)	Optical contacts ABS1379-003 or Filler plugs ABS1213-006	Adjusting pin
09	01		1	-
11	02	A O	2	2
13	04	DO OA CO OB	4	2
19	180 MM	AO HO OD	8	2
21	12	HOOA GOKOOB OMO LOO FOEO OC	12	2
				(continued)

Table 2: Contact layout (concluded)

Shell size code	Contact layout code	Layout (Front face plug side)	Optical contacts ABS1379-003 or Filler plugs ABS1213-006	Adjusting pin
25	24	PO	NAP 24	2
O Optical contacts or filler plugs				

Adjusting pins

3.3 Polarization

The following figure and table indicates, for each shell and contact position, the possible angular orientations of the insert in relation to the main shell positioning keyway or key.

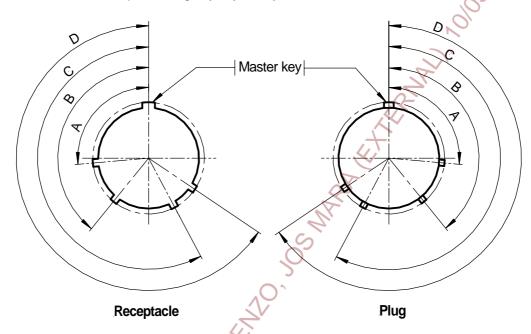


Figure 2: Polarization

Table 3: Polarization

(Angles in degree) Location position Shell size **Polarization** code code Α В C D Ν Α BÒ C D Е Ν Α В С D Е Ν Α В 19, 21 and 25 С D Е

RECORD OF REVISIONS

Issue	Clause modified	Description of modification
1		New Standard
09/05		
2		Template updated.
07/06	Chapter 2	Normative references: The title of ABS1379-003 updated.
	Chapter 3.2	Table 2: Shell size code 09 added.
	Chapter 3.3	Table 3: Shell size code 09 added.
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