

Primary connectors KD 500 / 510 series

Specification

- FAA AC 150/5345-26C

Technical data

- Current rating: 25 A
- Voltage rating: 5000 V
- Nominal cross-section:
 - 6 mm² (AWG 8, up to 19 strands)
 - 10 mm²

Mechanical construction

- Pins and Sockets: Contact parts tin plated copper or brass. Socket supplied with copper beryllium sleeve-type spring assuring contact pressure.
- Housing: Plug and receptacle insulation made of thermoplastic elastomer (TPE) with excellent environmental and fluid resistance. The insulation withstands exposure to chemicals typically present on airfields, as well as exposure to UV-radiation and ozone.

Kit contents

- 1 pair of plug and receptacle housings
- 1 pair of pin and socket connectors
- 1 locking device (polypropylene)
- Silicone grease (inside the housing)
- Guiding pin for receptacle
- Cleaning cloth
- Installation instructions

In addition, in the 500 series:

- 2 earthing connectors (tin-plated brass) with 350 mm long 2,5 mm² copper wires.
- 1 earthing connector with 2 screws (nickel-plated brass); connector housing of polyamide 6.6.

Idman type for screened cable	Idman type for unscreened cable	FAA L-823	Conductor size		Cable diameter	Diameter of cable insulation
			mm ²	AWG		
KD 500	KD 510	Style 3, Style 10	6 mm ²	AWG 8 (up to 19 strands)	10.0 - 14.5 mm	7.0 - 10.5 mm
KD 500.1	KD 510.1	Style 3, Style 10	6 mm ²	AWG 8 (up to 19 strands)	14.0 - 18.5 mm	10.0 - 13.5 mm
KD 500.2	KD 510.2	Style 3, Style 10	10 mm ² (16 mm ² stranded)	AWG 6	14.0 - 18.5 mm	10.0 - 13.5 mm
KD 500.3	KD 510.3	Style 3, Style 10	6 mm ²	AWG 8 (up to 19 strands)	18.0 - 22.0 mm	12.5 - 16.0 mm
KD 500.4	KD 510.4	Style 3, Style 10	10 mm ² (16 mm ² stranded)	AWG 6	18.0 - 22.0 mm	12.5 - 16.0 mm
KD 500.5	KD 510.5	Style 3, Style 10	10 mm ² (16 mm ² stranded)	AWG 6	10.0 - 14.5 mm	7.0 - 10.5 mm
KD 500.6	KD 510.6	Style 3, Style 10	6 mm ²	AWG 8 (up to 19 strands)	8.5 - 11.5 mm	5.0 - 7.5 mm

Secondary connectors KD 501/502/503 series

Subject to modifications.

Specification

- FAA AC 150/5345-26C

Technical data

- Current rating: 20 A
- Voltage rating: 600 V

Mechanical construction

- Pins and Sockets:
Contact parts tin-plated copper or brass.
- Housing:
Plug and receptacle insulation made of thermoplastic elastomer (TPE) with excellent environmental and fluid resistance. The insulation withstands exposure to chemicals typically present on airfields, as well as exposure to UV-radiation and ozone.

Kit contents

- 1 plug or receptacle housing
- 1 body for metal connectors
- 2 pin or socket connectors
- Silicone grease
- Detent part for locking the metal parts
- Cleaning cloth
- Installation instructions

KD 502 -series can be equipped with sealing unit PMR 755 in accordance with FAA L-823, Style 8.

Also available: vulcanized connectors including Y-connections with pre-determined cable lengths.

KD 501 and KD 502 series
for two-core cables

Idman type	Type	FAA L-823	Conductor size	Cable diameter
KD 501	Plug	Style 5	1.5 - 2.5 mm ²	8.5 - 13.5 mm
KD 501.1	Plug	Style 5	4.0 - 6.0 mm ²	11.5 - 18.0 mm
KD 501.2	Plug	Style 5	4.0 - 6.0 mm ²	8.5 - 13.5 mm
KD 502	Receptacle	Style 12	1.5 - 2.5 mm ²	8.5 - 13.5 mm
KD 502.1	Receptacle	Style 12	4.0 - 6.0 mm ²	11.5 - 18.0 mm
KD 502.2	Receptacle	Style 12	4.0 - 6.0 mm ²	8.5 - 13.5 mm

KD 503 and KD 503/R
series for two single wires

Idman type	Type	FAA L-823	Conductor size	Wire diameter
KD 503	Plug	Style 4	1.5 - 2.5 mm ²	2.8 - 4.0 mm (x2)
KD 503.1	Plug	Style 4	4.0 - 6.0 mm ²	3.8 - 5.5 mm (x2)
KD 503.2	Plug	Style 4	4.0 - 6.0 mm ²	2.8 - 4.0 mm (x2)
KD 503.3	Plug	Style 4	4.0 - 6.0 mm ²	5.0 - 8.0 mm (x2)
KD 503/R	Receptacle	Style 11	1.5 - 2.5 mm ²	2.8 - 4.0 mm (x2)
KD 503.1/R	Receptacle	Style 11	4.0 - 6.0 mm ²	3.8 - 5.5 mm (x2)
KD 503.2/R	Receptacle	Style 11	4.0 - 6.0 mm ²	2.8 - 4.0 mm (x2)
KD 503.3/R	Receptacle	Style 11	4.0 - 6.0 mm ²	5.0 - 8.0 mm (x2)

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