

DIN CONNECTORS



CORD PLUG, FLUSH SOCKET, IN-LINE

1. STRAIGHT CORD PLUG with Flush Socket Insert
2. STRAIGHT CORD PLUG with Lock Flange

STRAIGHT CORD PLUG with Flush Socket Insert

ORDERING INFORMATION

| Part Number | Description | Contact Arrangement |
|-------------|--------------------|---------------------|
| 06AL5F | 5 contacts at 180° | F |
| 13AL5F | 5 contacts at 240° | E |
| 15AL7F | 7 contacts at 270° | H |
| 15AL8F | 8 contacts at 270° | N |

STRAIGHT CORD PLUG with Lock Flange

Type 06EL5F - typical Female plug with ground contact. Lock flange designed to accept 30° lockring. Insert screw firmly holds insert assembly in shell. Flexible black strain relief with 7/32 inch diameter cable entry. Heavy duty cable clamp.

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¤ Available on special order only; contact Switchcraft for price and delivery.

SPECIFICATIONS

ELECTRICAL

Contact Resistance: Cord Plugs and Receptacles; .010 ohms, contact spring/pin .030 ohms, ground clip/shell.

Control and Switching Receptacles; .015 ohms, contact spring/pin; .020 ohms, switch contacts.

Dielectric Withstanding Voltage: 500 V (rms)

Contact Rating: 5-pin; 3A, 34 V DC

Leakage Resistance: 10^5 M (ohm)

Recommended Wire Size: 22 wire gauge maximum

MECHANICAL

Insertion/Withdrawal Forces:

| Number of Contacts | Insertion Force pound/N | Withdrawal Force pound/N |
|--------------------|-------------------------|--------------------------|
| 2 | 3.6/(16) | .45- 2.7/(2-12) |
| 3 | 5.4/(24) | .67- 4.1/(3-18) |
| 4 | 7.2/(32) | .90- 5.4/(4-24) |
| 5 | 9.0/(40) | 1.24- 6.8/(5.5-30) |
| 6 | 10.8/(48) | 1.46- 8.1/(6.5-36) |
| 7 | 12.6/(56) | 1.68- 9.5/(7.5-42) |
| 8 | 14.4/(64) | 1.90-10.8/(8.5-48) |

NOTE: All connectors meet DIN specifications #41524. Din spec. numbers (except for 4-pin, 5-pin @ 240°, and 8-pin @ 262°)

MATERIAL

Shell: Die-cast zinc alloy, nickel-plated

Receptacle Mounting Flange: Steel

Receptacle Body: Plastic

Insert Material: Plastic

Socket Contacts: Tin-plated

Pin Contacts: Tin-plated

Switching Contacts: Silver-plated

Cable Relief Bushing: Soft plastic

[click here to download a schematic drawing](#)
(you will need to have Adobe Acrobat installed on your system to do this)

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