



## Harsh Environment Connectivity Solutions

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### DIN Panel Mount

3 to 8 pin DIN connectors which mount to PC boards. Plugs connect at right-angle to mounting surface. Shielded version has metal flange surrounding face of insert to provide through-grounding between plug and receptacle and to potential panel/chassis for common grounding. Male version features interlocking flanges for side-by-side row mounting.

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## 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