



## Harsh Environment Connectivity Solutions



### Locking DIN Cable Mount

Male plug with ground key-rib. Unique 30° turn lockring securely fastens two halves of connector. Mates with lock flange female connectors and receptacles. Insert screw holds insert assembly in shell and also retains lockring on shell. Flexible black strain relief with 7/32" diameter cable entry. Heavy duty clamp.

## 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<sup>5</sup>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