

DIN IDC Cable Connectors and Cable Assemblies

DESIGNED IN ACCORDANCE WITH DIN 41612

DIN IDC cable connectors are available in 4 connector sizes as 96, 42, 21 and 9 positions. Available in wire sizes 30AWG to 24AWG, their unique insulation displacement design grants the lowest installed cost for users. Standard accessories are also offered to make up a fully modular system. This robust and standardized solution is widely used in Industrial & Instrumentation markets. The customized modules enhance connector suitability and flexibility.

- Fully modular system
- Customized modules
- A wide variety of standard accessories
- Suitable for solid and stranded wires



TARGET MARKETS



FEATURES

- 4 contact point IDC configuration
- Fully modular system
- Customized modules
- A wide variety of standard accessories such as latches, hoods/covers, and keys
- Allows strain-relief crimping, repair, and visual inspection after insertion, to be performed on individual wires

BENEFITS

- Provides excellent electrical and mechanical properties
- Flexible, robust and standardized solution
- Enhances connector suitability and flexibility
- Improved adaptability and polarization
- Flexible and easy wire installation

TECHNICAL INFORMATION

MATERIAL

- Body Material: Glass reinforced thermoplastic (UL94V-0)
- Contact Material: Phosphor bronze
- Male & Female contacts (DIN 41612 compliant)
 - Active contact areas selectively plated
 - Gold over Nickel or GXT™ over Nickel on mating surface
 - Tin over Nickel on solder termination
- Plating: Lead-free version

MECHANICAL PERFORMANCE

- Insertion Force: 1N max. per contact
- Withdrawal Force: 0.2N min. per contact

ELECTRICAL PERFORMANCE

- Contact Resistance: 15mΩ max. initial, 5mΩ max. rise of initial value after test
- Current Rating: 1.5A @ 25°C, 1A @ 70°C
- Voltage Rating: 250V AC (rms)
- Dielectric Withstanding Voltage: 1000 VAC (rms)

ENVIRONMENTAL

- Operating Temperature: -40°C to +125°C (Depending on the cable, maximum temperature can be lower)
- For standard PVC insulated cable: 105°C max.

SPECIFICATIONS

- DIN 41612
- IEC 603-2

PACKAGING

- Tray and carton

ARPROVALS AND CERTIFICATIONS

- UL/CSA pending

TARGET MARKETS/APPLICATIONS



Switches
Router
Enterprise
Transmission
Wireless and Wired Access



Server
Personal Computing
Peripheral Device



Lighting
Process Control
Control Panel
Onboard Electronics
Traffic Signalling
Energy Transmission
Distribution Control



Medical

PART NUMBERS

DIN IDC 3x32 CABLE CONNECTOR

No. of Contacts	Rows Loaded	Wire Gauge	Connector	Cover Set	Connector + Standard Cover Set
96 (2-piece)	a, b, c	AWG 30-28	BPS8B96FLD000xxLF	BPBS8B96CAP1LF	BPS8B96FLD0C0xxLF
		AWG 26-24	BPS8B96FLD200xxLF		BPS8B96FLD2C0xxLF
64 (1-piece)	a, c	AWG 30-28	BPS8B96ACD000xxLF		BPS8B96ACD0C0XXLF
		AWG 26-24	BPS8B96ACD200xxLF		BPS8B96ACD2C0xxLF

DIN IDC 2 x (3x7) CABLE CONNECTOR

No. of Contacts	Rows Loaded	Wire Gauge	Connector	Cover Set	Connector + Standard Cover Set
42 (2-piece)	a, b, c	AWG 30-28	(2x) BPS8B21FLD000xxLF	BPBS8B42P3LF	BPS8B42FLD0C0xxLF
		AWG 26-24	(2x) BPS8B21FLD200xxLF		BPS8B42FLD2C0xxLF
28 (1-piece)	a, c	AWG 30-28	(2x) BPS8B21ACD000xxLF		BPS8B42ACD0C0XXLF
		AWG 26-24	(2x) BPS8B21ACD200xxLF		BPS8B42ACD2C0xxLF

DIN IDC 3x7 CABLE CONNECTOR

No. of Contacts	Rows Loaded	Wire Gauge	Connector	Cover Set	Connector + Standard Cover Set
21 (2-piece)	a, b, c	AWG 30-28	BPS8B21FLD000xxLF	BPBS8B21P3LF	BPS8B21FLD0C0xxLF
		AWG 26-24	BPS8B21FLD200xxLF		BPS8B21FLD2C0xxLF
14 (1-piece)	a, c	AWG 30-28	BPS8B21ACD000xxLF		BPS8B21ACD0C0XXLF
		AWG 26-24	BPS8B21ACD200xxLF		BPS8B21ACD2C0xxLF

DIN IDC 3x3 CABLE CONNECTOR

No. of Contacts	Rows Loaded	Wire Gauge	Connector	Cover Set	Connector + Standard Cover Set
9 (2-piece)	a, b, c	AWG 30-28	BPS8B09FLD000xxLF	BPBS8B09P3LF	BPS8B09FLD0C0xxLF
		AWG 26-24	BPS8B09FLD200xxLF		BPS8B09FLD2C0xxLF
6 (1-piece)	a, c	AWG 30-28	BPS8B09ACD000xxLF		BPS8B09ACD0C0XXLF
		AWG 26-24	BPS8B09ACD200xxLF		BPS8B09ACD2C0xxLF

Notes

Performance class:

- DIN 41612 class III: replace xx by Z0 in part number
- DIN 41612 class II: replace xx by Z1 in part number
- DIN 41612 class I: replace xx by E9 in part number

*Note: In case of obsolescence, please contact Amphenol ICC for the replacement part numbers

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