

Metal Backshells for D-Sub Connectors

molex

Metal Backshells for D-Sub Connectors are available with either straight or angled cable outlets and provide connector protection, strain relief and organized cable routing



Metal Backshells for D-Sub Connectors

Features and Advantages

Rubber bushing
Provides cable dressing for a variety of cable sizes (optional use)

Wide cable outlet
Accommodates a wide range of cable diameters

Cable clamp
Protects cable from repeated use and harsh environments

Large inner chamber
Allows for D-Sub connectors with special contacts

Catch-spring system and pre-mounted locking screws included
Enabling easy assembly

UL-recognized
File No. E168813

RoHS compliant by exemption
Meets European Union regulations for banned materials hazardous to the environment

Top view

View without lid



Examples of metal backshell applications

Markets and Applications

Manufacturing Equipment

- Control panels
- Silicon chip manufacturing
- CNC machines

Industrial Automation

- Dense connector spacings
- Long cable runs
- Battery modules

Scientific

- Test and measurement equipment
- Automated inspection equipment

Medical

- Patient monitoring
- Diagnostic equipment

Commercial Vehicle

- Telematics
- GPS-agriculture



Control panel on test equipment



Patient monitoring

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Specifications

PHYSICAL

Material: Zinc die-cast
Plating: nickel-plated

REFERENCE INFORMATION

UL File No.: E168813
Designed In: Millimeters

MECHANICAL

Torque (max.): 40Ncm
Screwhead: Pozidriv

Operating Temperature: -35 to +100°C

Ordering Information

Part No.	Engineering No.	Shell Size	Orientation	Cable Diameter
1731110095	FMD1	1	65° Angle (Dual)	4.8 to 10.0mm
1731110096	FMD2	2	65° Angle (Dual)	4.8 to 11.0mm
1731110086	FMH1	1	Straight	5.0 to 8.0mm
1731110087	FMH2	2	Straight	5.0 to 8.5mm
1731110088	FMH3	3	Straight	9.0 to 11.0mm
1731110089	FMH4	4	Straight	8.5 to 11.0mm
1731110090	FMH5	5	Straight	10.0 to 12.5mm
1727040095	FMK1	1	45° Angle	3.0 to 9.5mm
1727040096	FMK1G	1	Straight	3.0 to 9.5mm
1731110190	FMK1-K201	1	45° Angle	10.0 to 11.5mm
1727040097	FMK2	2	45° Angle	3.0 to 8.5mm
1727040098	FMK2G	2	Straight	3.0 to 8.5mm
1731110060	FMK2G-K201	2	Straight	8.0 to 12.5mm
1731110061	FMK2-K201	2	45° Angle	8.5 to 12.5mm
1727040099	FMK3	3	45° Angle	3.0 to 8.5mm
1727040100	FMK3G	3	Straight	3.0 to 8.5mm
1731110058	FMK3G-K201	3	Straight	8.0 to 12.5mm
1731110062	FMK3-K201	3	45° Angle	8.5 to 12.5mm
1727040101	FMK4	4	45° Angle	3.0 to 12.0mm
1727040102	FMK4G	4	Straight	3.0 to 12.0mm
1731110065	FMK4G-K201	4	Straight	12.0 to 15.0mm
1731110063	FMK4-K201	4	45° Angle	12.0 to 15.0mm
1727040103	FMK5	5	45° Angle	3.0 to 12.0mm
1727040104	FMK5G	5	Straight	3.0 to 12.0mm
1731110059	FMK5G-K201	5	Straight	12.0 to 15.0mm
1731110064	FMK5-K201	5	45° Angle	12.0 to 15.0mm

www.molex.com/link/dsubconnectors.html

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