



## AMPHENOL PLUGS & CONNECTORS

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# AMPHENOL PLUGS & CONNECTORS

## Ecomate SERIES

Amphenol Circular Connectors  
with Threaded Collar M29  
Diameter Polyamide

### APPLICATIONS:

**Medical Industry** Suitable for medical devices and test equipment with a threaded collar to prevent accidental uncoupling.

**Multi Use Connectors** Suitable for use on industrial machines and controls, data processing, instrumentation and marine.

### PRODUCT FEATURES:

- ▶ New cable screw connection with clamping ring
- ▶ Strain relief and mounted gasket all in one component
- ▶ Ergonomically shaped handle for better grip and safer handling
- ▶ Fastening for the protective caps on the receptacle housing
- ▶ One cable housing for all cable diameters (6mm – 12.5mm)

### Panel Mount

PANEL SOCKET	
Code	Type
<b>T3111-000E</b>	3P + E Female (C01620G00310012)
<b>T3107-000E</b>	6P + E Female (C01630G00610012)



PANEL PLUG	
Code	Type
<b>T3110-000E</b>	3P + E Male (C01620C00310012)
<b>T3106-000E</b>	6P + E Male (C01630C00610012)



### Cord Mount Straight

CORD SOCKET STRAIGHT	
Code	Type
<b>T3109-001E</b>	3P + E Female (C01620D00311012)
<b>T3105-001E</b>	6P + E Female (C01630D00611012)



CORD PLUG STRAIGHT	
Code	Type
<b>T3108-001E</b>	3P + E Male (C01620H00311012)
<b>T3104-001E</b>	6P + E Male (C01630H00611012)



### Cord Mount Angled

CORD SOCKET ANGLED	
Code	Type
<b>T3109-081E</b>	3P + E Female (C01620F00310012)
<b>T3105-081E</b>	6P + E Female (C01630F00610012)



CORD PLUG ANGLED	
Code	Type
<b>T3108-081E</b>	3P + E Male (C01620K00310012)
<b>T3104-081E</b>	6P + E Male (C01630K00610012)



### Caps

SOCKET CAP (3P+E & 6P+E)	
Code	Type
<b>T6483-200E</b>	Panel-Short String (C01600V00000012)
<b>T6483-201E</b>	Cord-Long String (C01600V00001012)



PLUG CAP (3P+E & 6P+E)	
Code	Type
<b>T6482-200E</b>	Panel-Short String (C01600U00000012)
<b>T6482-201E</b>	Cord-Long String (C01600U00001012)



### CONSTRUCTION:

**Body** Polyamide with M29 threaded collar, neoprene gasket and PG9 gland to suit cable.

**Diameter** 6.0 – 12.5mm.

**Contacts** Silver plated copper.

**3P + E Screw Terminal** 400V Max. wire size 2.5mm<sup>2</sup> / AWG 14 / 16A 400V / 12A 250V @ 55°C.

**6P + E Solder Terminal** 250V Max. wire size 0.75mm<sup>2</sup> / AWG 20 / 13A 250V @ 55°C.

### CHARACTERISTICS:

#### Operating Temperature Range

3 Pin + Earth Screw Terminal -40°C to 100°C

6 Pin + Earth Solder Terminal -40°C to 125°C

**Protection Class** IP67 when mated or with cap fitted.

**Relevant Standards** DIN 9684.1, DIN 5510, DIN EN 60526, DIN VDE 1781, DIN VDE 1780, UL-E33093, German Lloyd, CSA-48932.

## C146 SERIES

Heavy Duty Amphenol Multi-Pole Power Connectors THERMOPLASTIC 3P + E  
1 Lever, 10 Amp 400V

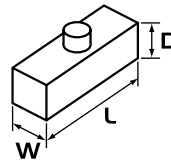
### APPLICATIONS:

- Lighting & Entertainment** For multiple control connections on stages and movie sets.
- Medical Industry** Suitable for medical devices and test equipment with a threaded collar to prevent accidental uncoupling.
- Industrial Connectors** Suitable for use on industrial machines and controls, data processing and instrumentation.

### PRODUCT FEATURES:

- ▶ Heavy duty thermoplastic body & base
- ▶ One lever (steel) locking mechanism to avoid disconnection
- ▶ IP65 when mated / IP53 for spring loaded hoods

Sizes in mm



### CONSTRUCTION:

- Body & Base** Thermoplastic.
- Insert** Thermoplastic with silver plated contacts 3 Pole + Earth 10A 400V.
- Screw Terminal** 0.25 – 2.5mm<sup>2</sup>.
- Lever** Single mild steel.

### CHARACTERISTICS:

- Operating Temperature Range** -40°C to +100°C.
- Protection Class** IP65 when mated / IP53 for spring loaded hoods.
- Relevant Standards** DIN VDE 0110, IEC60664, IEC 60529, UL-E63093, CSA-48932.



**C146 10A 003 0024**  
Male Insert Screw Terminal  
W 21 L 21 D 39



**C146 10B 003 0024**  
Female Insert Screw Terminal  
W 21 L 21 D 39



**C146 VN16 110 0004**  
Trumpet Strain Relief, PG11  
Cable < 10.5mm



**C146 VN16 110 0014**  
Gland Bush C/W Seal PG11,  
Plastic  
Cable 7.0 – 12.5mm



**C146 10G 003 6004**  
Top Entry Hood PG11,  
2 Stud, Plastic  
W 27 L 34 D 50



**C146 10G 003 8044**  
Cable Mount Base PG11,  
1 Lever, Plastic  
W 27 L 37 D 50



**C146 10F 003 0004**  
Surface Mount Base Straight  
Open 1 Lever, Plastic  
W 28 L 40 D 22



**C146 10F 003 0044**  
Surface Mount Base Angled,  
Open 1 Lever, Plastic  
W 41 L 40 D 26

Other non C146 series accessories available:



**GPG11SUP**  
Nylon Gland PG11 C/W Pigtail Support  
(Cable 4.0 – 10.0mm)



**GPG11**  
Nylon Gland PG11  
(Cable 4.0 – 10.0mm)

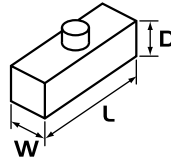
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# AMPHENOL PLUGS & CONNECTORS

## CI46 SERIES

Heavy Duty Amphenol Multi-Pole Power Connectors ALUMINIUM 3P + E  
1 Lever, 10 Amp 400V

Sizes in mm



### APPLICATIONS:

**Lighting & Entertainment** For multiple control connections on stages and movie sets.

**Medical Industry** Suitable for medical devices and test equipment with a threaded collar to prevent accidental uncoupling.

**Industrial Connectors** Suitable for use on industrial machines and controls, data processing and instrumentation.

### PRODUCT FEATURES:

- ▶ Heavy duty alloy body & base
- ▶ One lever (steel) locking mechanism to avoid disconnection
- ▶ IP65 when mated / IP53 for spring loaded hoods

### CONSTRUCTION:

**Body & Base** Aluminium die cast alloy.

**Insert** Thermoplastic with silver plated contacts 3 Pole + Earth 10A 400V.

**Screw Terminal** 0.25 – 2.5mm<sup>2</sup>.

**Lever** Single mild steel.

### CHARACTERISTICS:

**Operating Temperature Range** -40°C to +100°C.

**Protection Class** IP65 when mated / IP53 for spring loaded hoods.

**Relevant Standards** DIN VDE 0110, IEC 60664, IEC 60529, UL-E63093, CSA-48932.



**C146 10A 003 0024**  
Male Insert Screw Terminal  
W 21 L 21 D 39



**C146 10B 003 0024**  
Female Insert Screw Terminal  
W 21 L 21 D 39



**C146 VN16 110 0004**  
Trumpet Strain Relief, PG11  
Cable < 10.5mm



**C146 VN16 110 0014**  
Gland Bush C/W Seal PG11,  
Plastic  
Cable 7.0 – 12.5mm



**C146 30G 003 6004**  
Top Entry Hood PG11,  
2 Stud, Metal  
W 27 L 34 D 50



**C146 30G 003 8044**  
Cable Mount Base PG11,  
1 Lever, Metal  
W 27 L 37 D 50



**C146 30F 003 0004**  
Surface Mount Base Straight  
Open 1 Lever, Metal  
W 28 L 40 D 22

Other non C146 series accessories available:



**GPG11SUP**  
Nylon Gland PG11 C/W Pigtail Support  
(Cable 4.0 – 10.0mm)



**GPG11**  
Nylon Gland PG11  
(Cable 4.0 – 10.0mm)

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## C146 SERIES

**Heavy Duty Amphenol Multi-Pole Power Connectors THERMOPLASTIC 4P + E  
1 Lever, 10 Amp 400V**

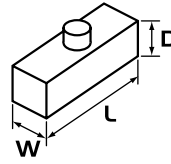
### APPLICATIONS:

- Lighting & Entertainment** For multiple control connections on stages and movie sets.
- Medical Industry** Suitable for medical devices and test equipment with a threaded collar to prevent accidental uncoupling.
- Industrial Connectors** Suitable for use on industrial machines and controls, data processing and instrumentation.

### PRODUCT FEATURES:

- ▶ Heavy duty thermoplastic body & base
- ▶ One lever (steel) locking mechanism to avoid disconnection
- ▶ IP65 when mated / IP53 for spring loaded hoods

Sizes in mm



### CONSTRUCTION:

- Body & Base** Thermoplastic.
- Insert** Thermoplastic with silver plated contacts 4 Pole + Earth 10A 400V.
- Screw Terminal** 0.25 – 2.5mm<sup>2</sup>.
- Lever** Single mild steel.

### CHARACTERISTICS:

- Operating Temperature Range** -40°C to +100°C.
- Protection Class** IP65 when mated / IP53 for spring loaded hoods.
- Relevant Standards** DIN VDE 0110, IEC60664, IEC 60529, UL-E63093, CSA-48932.



**C146 10A 004 0024**  
Male Insert Screw Terminal  
**W 21 L 21 D 39**



**C146 10B 004 0024**  
Female Insert Screw Terminal  
**W 21 L 21 D 39**



**C146 VN16 110 0004**  
Trumpet Strain Relief, PG11  
Cable < 10.5mm



**C146 VN16 110 0014**  
Gland Bush C/W Seal PG11,  
Plastic  
Cable 7.0 – 12.5mm



**C146 10G 003 6004**  
Top Entry Hood PG11,  
2 Stud, Plastic  
**W 27 L 34 D 50**



**C146 10G 003 8044**  
Cable Mount Base PG11,  
1 Lever, Plastic  
**W 27 L 37 D 50**



**C146 10F 003 0004**  
Surface Mount Base Straight  
Open 1 Lever, Plastic  
**W 28 L 40 D 22**



**C146 10F 003 0044**  
Surface Mount Base Angled,  
Open 1 Lever, Plastic  
**W 41 L 40 D 26**

Other non C146 series accessories available:



**GPG11SUP**  
Nylon Gland PG11 C/W Pigtail Support  
(Cable 4.0 – 10.0mm)



**GPG11**  
Nylon Gland PG11  
(Cable 4.0 – 10.0mm)

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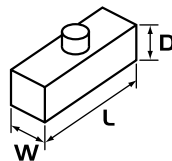


# AMPHENOL PLUGS & CONNECTORS

## CI46 SERIES

Heavy Duty Amphenol Multi-Pole Power Connectors ALUMINIUM 4P + E  
1 Lever, 10 Amp 400V

Sizes in mm



### APPLICATIONS:

**Lighting & Entertainment** For multiple control connections on stages and movie sets.

**Medical Industry** Suitable for medical devices and test equipment with a threaded collar to prevent accidental uncoupling.

**Industrial Connectors** Suitable for use on industrial machines and controls, data processing and instrumentation.

### PRODUCT FEATURES:

- ▶ Heavy duty alloy body & base
- ▶ One lever (steel) locking mechanism to avoid disconnection
- ▶ IP65 when mated / IP53 for spring loaded hoods

### CONSTRUCTION:

**Body & Base** Aluminium die cast alloy.

**Insert** Thermoplastic with silver plated contacts 4 Pole + Earth 10A 400V.

**Screw Terminal** 0.25 – 2.5mm<sup>2</sup>.

**Lever** Single mild steel.

### CHARACTERISTICS:

**Operating Temperature Range** -40°C to +100°C.

**Protection Class** IP65 when mated / IP53 for spring loaded hoods.

**Relevant Standards** DIN VDE 0110, IEC 60664, IEC 60529, UL-E63093, CSA-48932.



**C146 10A 003 0024**  
Male Insert Screw Terminal  
W 21 L 21 D 39



**C146 10B 003 0024**  
Female Insert Screw Terminal  
W 21 L 21 D 39



**C146 VN16 110 0004**  
Trumpet Strain Relief, PG11  
Cable < 10.5mm



**C146 VN16 110 0014**  
Gland Bush C/W Seal PG11,  
Plastic  
Cable 7.0 – 12.5mm



**C146 30G 003 6004**  
Top Entry Hood PG11,  
2 Stud, Metal  
W 27 L 34 D 50



**C146 30G 003 8044**  
Cable Mount Base PG11,  
1 Lever, Metal  
W 27 L 37 D 50



**C146 30F 003 0004**  
Surface Mount Base Straight  
Open 1 Lever, Metal  
W 28 L 40 D 22

Other non C146 series accessories available:



**GPG11SUP**  
Nylon Gland PG11 C/W Pigtail Support  
(Cable 4.0 – 10.0mm)



**GPG11**  
Nylon Gland PG11  
(Cable 4.0 – 10.0mm)

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## CI46 SERIES

**Heavy Duty Amphenol Multi-Pole Power Connectors ALUMINIUM 6P + E  
1 Lever, 16 Amp 400V**

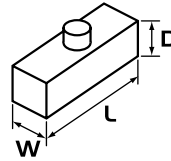
### APPLICATIONS:

- Lighting & Entertainment** For multiple control connections on stages and movie sets.
- Medical Industry** Suitable for medical devices and test equipment with a threaded collar to prevent accidental uncoupling.
- Industrial Connectors** Suitable for use on industrial machines and controls, data processing and instrumentation.

### PRODUCT FEATURES:

- ▶ Heavy duty alloy body & base
- ▶ One lever (steel) locking mechanism to avoid disconnection
- ▶ IP65 when mated / IP53 for spring loaded hoods

Sizes in mm



### CONSTRUCTION:

- Body & Base** Aluminium die cast alloy.
- Insert** Thermoplastic with wire protection & silver plated contacts
- 6 Pole + Earth** 16A 400V.
- Screw Terminal** 0.5 – 6.0mm<sup>2</sup>.
- Lever** Single mild steel.

### CHARACTERISTICS:

- Operating Temperature Range** -40°C to +125°C.
- Protection Class** IP65 when mated / IP53 for spring loaded hoods.
- Relevant Standards** DIN VDE 0110, IEC 60664, IEC 60529, UL-E63093, CSA-48932.



**C146 10A 006 1021**  
Male Insert Screw Terminal  
**W 27 L 44 D 31**



**C146 10B 006 1021**  
Female Insert Screw Terminal  
**W 27 L 44 D 32**



**C146 VN16 135 0002**  
Trumpet Strain Relief, PG13.5 (Cable < 14.0mm)  
**C146 VN16 160 0002**  
Trumpet Strain Relief, PG16 (Cable < 16.0mm)



**C146 VN16 135 0014**  
Gland Bush C/W Seal, PG13.5 (Cable 7.0 – 15.0mm)  
**C146 VN16 160 0014**  
Gland Bush C/W Seal, PG16 (Cable 8.0 – 16.0mm)



**C146 10G 006 5001**  
Side Entry Hood PG13.5, 2 Stud **W 43 L 50 D 61**  
**C146 10G 006 5011**  
Side Entry Hood PG16, 2 Stud **W 43 L 50 D 61**



**C146 10G 006 6001**  
Top Entry Hood PG13.5, 2 Stud **W 43 L 50 D 61**  
**C146 10G 006 6011**  
Top Entry Hood PG16, 2 Stud **W 43 L 50 D 61**



**C146 10G 006 8041**  
Cable Mount Base PG13.5, 1 Lever **W 43 L 50 D 62**  
**C146 10G 006 8051**  
Cable Mount Base PG16, 1 Lever **W 43 L 50 D 62**



**C146 10F 006 0001**  
Surface Mount Base,  
Open, 1 Lever  
**W 43 L 80 D 29**



**C146 10F 006 0031**  
Surface Mount Base Enclosed Open, 1 Lever,  
C/W Dust Cover  
**W 43 L 80 D 29**



**C146 10F 006 5001**  
Surface Mount Base Enclosed, 1 Lever,  
1 x PG16 Side Entry  
**W 54 L 84 D 54**



**C146 10F 006 8061**  
Surface Mount Base Enclosed, 1 Lever,  
1 x PG16 Side Entry, C/W Dust Cover  
**W 54 L 84 D 54**

Other non C146 series accessories available:



**GPG13.5SUP**  
Nylon Gland PG13.5 C/W Pigtail Support (Cable 5.0 – 12.5mm)  
**GPG16SUP**  
Nylon Gland PG16 C/W Pigtail Support (Cable 6.0 – 14.0mm)



**GPG13.5**  
Nylon Gland PG13.5 (Cable 5.0 – 12.5mm)  
**GPG16**  
Nylon Gland PG16 (Cable 6.0 – 14.0mm)

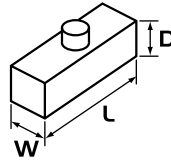
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# AMPHENOL PLUGS & CONNECTORS

## CI46 SERIES

Heavy Duty Amphenol Multi-Pole Power Connectors ALUMINIUM 6P + E  
1 Lever, 42 Amp 400V

Sizes in mm



### APPLICATIONS:

- Lighting & Entertainment** For multiple control connections on stages and movie sets.
- Medical Industry** Suitable for medical devices and test equipment with a threaded collar to prevent accidental uncoupling.
- Industrial Connectors** Suitable for use on industrial machines and controls, data processing and instrumentation.

### PRODUCT FEATURES:

- ▶ Heavy duty alloy body & base
- ▶ One lever (steel) locking mechanism to avoid disconnection
- ▶ IP65 when mated / IP53 for spring loaded hoods

### CONSTRUCTION:

- Body & Base** Aluminium die cast alloy.
- Insert** Thermoplastic with wire protection & silver plated contacts
- 6 Pole + Earth 42A 400V.
- Screw Terminal** 0.5 – 6.0mm<sup>2</sup>.
- Lever** Single mild steel.

### CHARACTERISTICS:

- Operating Temperature Range** -40°C to +125°C.
- Protection Class** IP65 when mated / IP53 for spring loaded hoods.
- Relevant Standards** DIN VDE 0110, IEC 60664, IEC 60529, UL-E63093, CSA-48932.



**C146 10A 006 1025**  
Male Insert Screw Terminal  
W 34 L 85 D 34



**C146 10B 006 1025**  
Female Insert Screw Terminal  
W 34 L 85 D 34



**C146 VN16 210 0002**  
Trumpet Strain Relief, PG21 (Cable < 21.0mm)  
**C146 VN16 290 0002**  
Trumpet Strain Relief, PG29 (Cable < 30.0mm)



**C146 VN16 210 0014**  
Gland Bush C/W Seal, PG21 (Cable 11.0 – 22.0mm)  
**C146 VN16 290 0014**  
Gland Bush C/W Seal, PG29 (Cable 19.0 – 31.0mm)



**C146 10G 016 6061**  
Top Entry Hood, PG21, 2 Stud W 43 L 94 D 62  
**C146 10G 016 6071**  
Top Entry Hood, PG29, 2 Stud W 43 L 94 D 62



**C146 10G 016 5061**  
Side Entry Hood, PG21, 2 Stud  
W 43 L 94 D 62



**C146 10G 016 8041**  
Cable Mount Base, PG21, 1 Lever  
W 43 L 94 D 62



**C146 10F 016 0011**  
Cable Mount Base Open, 1 Lever  
W 43 L 113 D 29



**C146 10F 016 0031**  
Surface Mount Base Open, 1 Lever  
C/W Dust Cover  
W 43 L 113 D 29



**C146 10F 016 8061**  
Surface Mount Base Enclosed, 1 Lever,  
1 x PG21 Side Entry, C/W Dust Cover  
W 57 L 117 D 64

Other non C146 series accessories available:



**GPG21SUP**  
Nylon Gland PG21 C/W Pigtail Support  
(Cable 10.0 – 17.5mm)



**GPG21**  
Nylon Gland PG21 (Cable 10.0 – 17.5mm)

**GPG29**  
Nylon Gland PG29 (Cable 16.0 – 24.0mm)

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## C146 SERIES

**Heavy Duty Amphenol Multi-Pole Power Connectors ALUMINIUM 6P + E  
2 Lever, 42 Amp 400V**

### APPLICATIONS:

- Lighting & Entertainment** For multiple control connections on stages and movie sets.
- Medical Industry** Suitable for medical devices and test equipment with a threaded collar to prevent accidental uncoupling.
- Industrial Connectors** Suitable for use on industrial machines and controls, data processing and instrumentation.

### PRODUCT FEATURES:

- ▶ Heavy duty alloy body & base
- ▶ Two lever (steel) locking mechanism to avoid disconnection
- ▶ IP65 when mated / IP53 for spring loaded hoods



**C146 10A 006 1025**  
Male Insert Screw Terminal  
W 34 L 85 D 34



**C146 10B 006 1025**  
Female Insert Screw Terminal  
W 34 L 85 D 34



**C146 VN16 210 0002**  
Trumpet Strain Relief, PG21 (Cable < 21.0mm)  
**C146 VN16 290 0002**  
Trumpet Strain Relief, PG29 (Cable < 30.0mm)

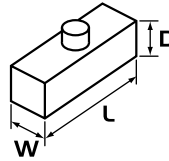


**C146 VN16 210 0014**  
Gland Bush C/W Seal, PG21 (Cable 11.0 – 22.0mm)  
**C146 VN16 290 0014**  
Gland Bush C/W Seal, PG29 (Cable 19.0 – 31.0mm)



**C146 10Z 016 1001**  
Protective Cover, 4 Stud  
W 44 L 97 D 20

Sizes in mm



### CONSTRUCTION:

- Body & Base** Aluminium die cast alloy.
- Insert** Thermoplastic with wire protection & silver plated contacts  
6 Pole + Earth 42A 400V.
- Screw Terminal** 0.5 – 6.0mm<sup>2</sup>.
- Lever** Double mild steel.

### CHARACTERISTICS:

- Operating Temperature Range** -40°C to +125°C.
- Protection Class** IP65 when mated / IP53 for spring loaded hoods.
- Relevant Standards** DIN VDE 0110, IEC 60664, IEC 60529, UL-E63093, CSA-48932.



**C146 10G 016 6001**  
Top Entry Hood, PG21, 4 Stud W 43 L 94 D 62



**C146 10G 016 6011**  
Top Entry Hood, PG29, 4 Stud W 43 L 94 D 62



**C146 10G 016 5001**  
Side Entry Hood, PG21, 4 Stud  
W 43 L 94 D 62



**C146 10G 016 8021**  
Cable Mount Base, PG21, 2 Lever W 43 L 94 D 62



**C146 10G 016 8038**  
Cable Mount Base, PG29, 2 Lever W 43 L 94 D 76



**C146 10G 016 6021**  
Cable Mount Base, PG21, 2 Lever, No Gasket  
(Suit C146 10F 016 0021)  
W 43 L 94 D 62



**C146 10F 016 0001**  
Surface Mount Base, Open, 2 Lever  
W 43 L 113 D 29



**C146 10F 016 0021**  
Surface Mount Base, Open, 4 Stud Only, No Levers  
C/W Dust Cover (Suit C146 10G 016 6021)  
W 43 L 113 D 29



**C146 10F 016 5001**  
Surface Mount Base, Enclosed, 2 Lever,  
1 x PG21 Side Entry  
W 57 L 117 D 64

Other non C146 series accessories available:



**GPG21SUP**  
Nylon Gland PG21 C/W Pigtail Support  
(Cable 10.0 – 17.5mm)



**GPG21**  
Nylon Gland PG21 (Cable 10.0 – 17.5mm)

**GPG29**  
Nylon Gland PG29 (Cable 16.0 – 24.0mm)

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# AMPHENOL PLUGS & CONNECTORS

## CI46 SERIES

Heavy Duty Amphenol Multi-Pole Power Connectors ALUMINIUM 10P + E  
1 Lever, 16 Amp 400V

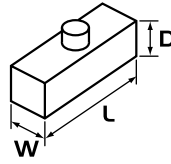
### APPLICATIONS:

- Lighting & Entertainment** For multiple control connections on stages and movie sets.
- Medical Industry** Suitable for medical devices and test equipment with a threaded collar to prevent accidental uncoupling.
- Industrial Connectors** Suitable for use on industrial machines and controls, data processing and instrumentation.

### PRODUCT FEATURES:

- ▶ Heavy duty alloy body & base
- ▶ One lever (steel) locking mechanism to avoid disconnection
- ▶ IP65 when mated / IP53 for spring loaded hoods

Sizes in mm



### CONSTRUCTION:

- Body & Base** Aluminium die cast alloy.
- Insert** Thermoplastic with wire protection & silver plated contacts
- 10 Pole + Earth** 16A 400V.
- Screw Terminal** 0.5 – 6.0mm<sup>2</sup>.
- Lever** Single mild steel.

### CHARACTERISTICS:

- Operating Temperature Range** -40°C to +125°C.
- Protection Class** IP65 when mated / IP53 for spring loaded hoods.
- Relevant Standards** DIN VDE 0110, IEC 60664, IEC 60529, UL-E63093, CSA-48932.



**C146 10A 010 1021**  
Male Insert Screw Terminal  
W 27 L 57 D 31



**C146 10B 010 1021**  
Female Insert Screw Terminal  
W 27 L 57 D 32



**C146 VN16 160 0002**  
Trumpet Strain Relief, PG16 (Cable < 16.0mm)  
**C146 VN16 210 0002**  
Trumpet Strain Relief, PG21 (Cable < 21.0mm)  
**C146 VN16 290 0002**  
Trumpet Strain Relief, PG29 (Cable < 30.0mm)



**C146 VN16 160 0014**  
Gland Bush C/W Seal, PG16 (Cable 8.0 – 16.0mm)  
**C146 VN16 210 0014**  
Gland Bush C/W Seal, PG21 (Cable 11.0 – 22.0mm)  
**C146 VN16 290 0014**  
Gland Bush C/W Seal, PG29 (Cable 19.0 – 31.0mm)



**C146 10G 010 6061**  
Top Entry Hood, PG16, 2 Stud W 43 L 73 D 51



**C146 10G 010 6071**  
Top Entry Hood, PG21, 2 Stud W 43 L 73 D 51



**C146 10G 010 5061**  
Side Entry Hood, PG16, 2 Stud W 43 L 73 D 51



**C146 10G 010 5068**  
Side Entry Hood, PG21, 2 Stud W 43 L 73 D 70



**C146 10G 010 8048**  
Cable Mount Base, PG21, 1 Lever  
W 43 L 91 D 70



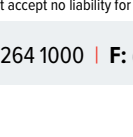
**C146 10F 010 0011**  
Surface Mount Base Open, 1 Lever  
W 43 L 93 D 29



**C146 10F 010 0031**  
Surface Mount Base Open, 1 Lever,  
C/W Dust Cover  
W 43 L 93 D 29



**C146 10F 010 8021**  
Surface Mount Base Enclosed, 1 Lever  
1 x PG16 Side Entry  
W 54 L 94 D 57



**C146 10F 010 8061**  
Surface Mount Base Enclosed, 1 Lever,  
1 x PG16 Side Entry, C/W Dust Cover  
W 54 L 94 D 57

Other non C146 series accessories available:



**GPG16SUP**  
Nylon Gland PG16 C/W Pigtail Support (Cable 6.0 – 14.0mm)



**GPG21SUP**  
Nylon Gland PG21 C/W Pigtail Support (Cable 10.0 – 17.5mm)



**GPG16** Nylon Gland PG16 (Cable 6.0 – 14.0mm)

**GPG21** Nylon Gland PG21 (Cable 10.0 – 17.5mm)

**GPG29** Nylon Gland PG29 (Cable 16.0 – 24.0mm)

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## C146 SERIES

Heavy Duty Amphenol Multi-Pole Power Connectors ALUMINIUM 10P + E  
2 Lever, 16 Amp 400V

### APPLICATIONS:

- Lighting & Entertainment** For multiple control connections on stages and movie sets.
- Medical Industry** Suitable for medical devices and test equipment with a threaded collar to prevent accidental uncoupling.
- Industrial Connectors** Suitable for use on industrial machines and controls, data processing and instrumentation.

### PRODUCT FEATURES:

- ▶ Heavy duty alloy body & base
- ▶ Two lever (steel) locking mechanism to avoid disconnection
- ▶ IP65 when mated / IP53 for spring loaded hoods



**C146 10A 010 1021**  
Male Insert Screw Terminal  
W 27 L 57 D 31



**C146 10B 010 1021**  
Female Insert Screw Terminal  
W 27 L 57 D 32



**C146 VN16 160 0002**  
Trumpet Strain Relief, PG16 (Cable < 16.0mm)  
**C146 VN16 210 0002**  
Trumpet Strain Relief, PG21 (Cable < 21.0mm)  
**C146 VN16 290 0002**  
Trumpet Strain Relief, PG29 (Cable < 30.0mm)

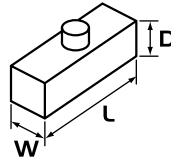


**C146 VN16 160 0014**  
Gland Bush C/W Seal, PG16 (Cable 8.0 – 16.0mm)  
**C146 VN16 210 0014**  
Gland Bush C/W Seal, PG21 (Cable 11.0 – 22.0mm)  
**C146 VN16 290 0014**  
Gland Bush C/W Seal, PG29 (Cable 19.0 – 31.0mm)



**C146 10Z 010 1001**  
Protective Cover, 4 Stud  
W 44 L 76 D 20

Sizes in mm



### CONSTRUCTION:

- Body & Base** Aluminium die cast alloy.
- Insert** Thermoplastic with wire protection & silver plated contacts
- 10 Pole + Earth 16A 400V.
- Screw Terminal** 0.5 – 6.0mm<sup>2</sup>.
- Lever** Double mild steel.

### CHARACTERISTICS:

- Operating Temperature Range** -40°C to +125°C.
- Protection Class** IP65 when mated / IP53 for spring loaded hoods.
- Relevant Standards** DIN VDE 0110, IEC 60664, IEC 60529, UL-E63093, CSA-48932.



**C146 10G 010 6001**  
Top Entry Hood, PG16, 4 Stud W 43 L 73 D 51

**C146 10G 010 6011**  
Top Entry Hood, PG21, 4 Stud W 43 L 73 D 51  
**C146 10G 010 6018**  
Top Entry Hood, PG29, 4 Stud W 43 L 73 D 70



**C146 10G 010 5001**  
Side Entry Hood, PG16, 4 Stud W 43 L 73 D 51  
**C146 10G 010 5011**  
Side Entry Hood, PG21, 4 Stud W 43 L 73 D 70



**C146 10G 010 8021**  
Cable Mount Base, PG16, 2 Lever W 43 L 73 D 51  
**C146 10G 010 8028**  
Cable Mount Base, PG21, 2 Lever W 43 L 73 D 70



**C146 10G 010 6021**  
Cable Mount Base, PG16, 2 Lever  
W 43 L 73 D 51



**C146 10F 010 0001**  
Surface Mount Base Open, 2 Lever  
W 43 L 93 D 29



**C146 10F 010 0021**  
Surface Mount Base Open, 4 Stud Only,  
C/W Dust Cover (Suit C146 10G 010 6021)  
W 43 L 93 D 29



**C146 10F 010 5001**  
Surface Mount Base Enclosed, 2 Lever,  
1 x PG16 Side Entry  
W 54 L 94 D 57

Other non C146 series accessories available:



**GPG16SUP**  
Nylon Gland PG16 C/W Pigtail Support (Cable 6.0 – 14.0mm)

**GPG21SUP**  
Nylon Gland PG21 C/W Pigtail Support (Cable 10.0 – 17.5mm)



**GPG16** Nylon Gland PG16 (Cable 6.0 – 14.0mm)

**GPG21** Nylon Gland PG21 (Cable 10.0 – 17.5mm)

**GPG29** Nylon Gland PG29 (Cable 16.0 – 24.0mm)

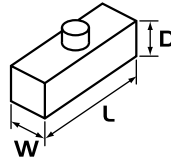
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# AMPHENOL PLUGS & CONNECTORS

## C146 SERIES

Heavy Duty Amphenol Multi-Pole Power Connectors ALUMINIUM 16P + E  
1 Lever, 16 Amp 400V

Sizes in mm



### APPLICATIONS:

- Lighting & Entertainment** For multiple control connections on stages and movie sets.
- Medical Industry** Suitable for medical devices and test equipment with a threaded collar to prevent accidental uncoupling.
- Industrial Connectors** Suitable for use on industrial machines and controls, data processing and instrumentation.

### PRODUCT FEATURES:

- ▶ Heavy duty alloy body & base
- ▶ One lever (steel) locking mechanism to avoid disconnection
- ▶ IP65 when mated / IP53 for spring loaded hoods

### CONSTRUCTION:

- Body & Base** Aluminium die cast alloy.
- Insert** Thermoplastic with wire protection & silver plated contacts 16 Pole + Earth 16A 400V.
- Screw Terminal** 0.5 – 6.0mm<sup>2</sup>.
- Lever** Single mild steel.

### CHARACTERISTICS:

- Operating Temperature Range** -40°C to +125°C.
- Protection Class** IP65 when mated / IP53 for spring loaded hoods.
- Relevant Standards** DIN VDE 0110, IEC 60664, IEC 60529, UL-E63093, CSA-48932.



**C146 10A 016 1021**  
Male Insert Screw Terminal  
W 27 L 78 D 31



**C146 10G 016 6061**  
Top Entry Hood, PG21, 2 Stud  
W 43 L 94 D 62



**C146 10B 016 1021**  
Female Insert Screw Terminal  
W 27 L 78 D 31



**C146 10G 016 5061**  
Side Entry Hood, PG21, 2 Stud  
W 43 L 94 D 62



**C146 VN16 210 0002**  
Trumpet Strain Relief, PG21 (Cable < 21.0mm)



**C146 10G 016 8041**  
Cable Mount Base, PG21, 1 Lever  
W 43 L 94 D 62



**C146 VN16 210 0014**  
Gland Bush C/W Seal, PG21 (Cable 11.0 – 22.0mm)



**C146 10F 016 0011**  
Surface Mount Base, Open, 1 Lever  
W 43 L 113 D 29



**C146 10F 016 0031**  
Surface Mount Base, Open, 1 Lever,  
C/W Dust Cover  
W 43 L 113 D 29



**C146 10F 016 8061**  
Surface Mount Base, Enclosed, 1 Lever,  
1 x PG21 Side Entry, C/W Dust Cover  
W 57 L 117 D 64

Other non C146 series accessories available:



**GPG21SUP**  
Nylon Gland PG21 C/W Pigtail Support  
(Cable 10.0 – 17.5mm)



**GPG21**  
Nylon Gland PG21  
(Cable 10.0 – 17.5mm)

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## C146 SERIES

**Heavy Duty Amphenol Multi-Pole Power Connectors ALUMINIUM 16P + E**  
**2 Lever, 16 Amp 400V**

### APPLICATIONS:

- Lighting & Entertainment** For multiple control connections on stages and movie sets.
- Medical Industry** Suitable for medical devices and test equipment with a threaded collar to prevent accidental uncoupling.
- Industrial Connectors** Suitable for use on industrial machines and controls, data processing and instrumentation.

### PRODUCT FEATURES:

- ▶ Heavy duty alloy body & base
- ▶ Two lever (steel) locking mechanism to avoid disconnection
- ▶ IP65 when mated / IP53 for spring loaded hoods



**C146 10A 016 1021**  
 Male Insert Screw Terminal  
**W 27 L 78 D 31**



**C146 10B 016 1021**  
 Female Insert Screw Terminal  
**W 27 L 78 D 31**



**C146 VN16 210 0002**  
 Trumpet Strain Relief, PG21 (Cable < 21.0mm)  
**C146 VN16 290 0002**  
 Trumpet Strain Relief, PG29 (Cable < 30.0mm)



**C146 VN16 210 0014**  
 Gland Bush C/W Seal, PG21 (Cable 11.0 – 22.0mm)  
**C146 VN16 290 0014**  
 Gland Bush C/W Seal, PG29 (Cable 19.0 – 31.0mm)



**C146 10Z 016 1001**  
 Protective Cover, 4 Stud  
**W 44 L 97 D 20**

Other non C146 series accessories available:



**GPG21SUP**  
 Nylon Gland PG21 C/W Pigtail Support  
 (Cable 10.0 – 17.5mm)



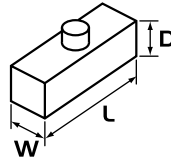
**GPG21**  
 Nylon Gland PG21 (Cable 10.0 – 17.5mm)



**GPG29**  
 Nylon Gland PG29 (Cable 16.0 – 24.0mm)

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Sizes in mm



### CONSTRUCTION:

- Body & Base** Aluminium die cast alloy.
- Insert** Thermoplastic with wire protection & silver plated contacts
- 16 Pole + Earth** 16A 400V.
- Screw Terminal** 0.5 – 6.0mm<sup>2</sup>.
- Lever** Double mild steel.

### CHARACTERISTICS:

- Operating Temperature Range** -40°C to +125°C.
- Protection Class** IP65 when mated / IP53 for spring loaded hoods.
- Relevant Standards** DIN VDE 0110, IEC 60664, IEC 60529, UL-E63093, CSA-48932.



**C146 10G 016 6001**  
 Top Entry Hood, PG21, 4 Stud **W 43 L 94 D 62**



**C146 10G 016 6011**  
 Top Entry Hood, PG29, 4 Stud **W 43 L 94 D 62**



**C146 10G 016 5001**  
 Side Entry Hood, PG21, 4 Stud  
**W 43 L 94 D 62**



**C146 10G 016 8021**  
 Cable Mount Base, PG21, 2 Lever **W 43 L 94 D 62**



**C146 10G 016 8038**  
 Cable Mount Base, PG29, 2 Lever **W 43 L 94 D 76**



**C146 10G 016 6021**  
 Cable Mount Base, PG21, 2 Lever, C/W Dust Cover  
*(Suit C146 10G 016 0021)*  
**W 43 L 94 D 62**



**C146 10F 016 0001**  
 Surface Mount Base, Open, 2 Lever  
**W 43 L 113 D 29**



**C146 10F 016 0021**  
 Surface Mount Base, Open, 4 Stud Only, C/W Dust Cover  
*(Suit C146 10G 016 6021)*  
**W 43 L 113 D 29**



**C146 10F 016 5001**  
 Surface Mount Base, Enclosed, 2 Lever,  
 1 x PG21, Side Entry  
**W 57 L 117 D 64**

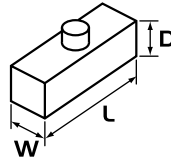


# AMPHENOL PLUGS & CONNECTORS

## C146 SERIES

Heavy Duty Amphenol Multi-Pole Power Connectors ALUMINIUM 24P + E  
1 Lever, 16 Amp 400V

Sizes in mm



### APPLICATIONS:

- Lighting & Entertainment** For multiple control connections on stages and movie sets.
- Medical Industry** Suitable for medical devices and test equipment with a threaded collar to prevent accidental uncoupling.
- Industrial Connectors** Suitable for use on industrial machines and controls, data processing and instrumentation.

### PRODUCT FEATURES:

- ▶ Heavy duty alloy body & base
- ▶ One lever (steel) locking mechanism to avoid disconnection
- ▶ IP65 when mated / IP53 for spring loaded hoods

### CONSTRUCTION:

- Body & Base** Aluminium die cast alloy.
- Insert** Thermoplastic with wire protection & silver plated contacts 24 Pole + Earth 16A 400V.
- Screw Terminal** 0.5 – 6.0mm<sup>2</sup>.
- Lever** Single mild steel.

### CHARACTERISTICS:

- Operating Temperature Range** -40°C to +125°C.
- Protection Class** IP65 when mated / IP53 for spring loaded hoods.
- Relevant Standards** DIN VDE 0110, IEC 60664, IEC 60529, UL-E63093, CSA-48932.



**C146 10A 024 1021**  
Male Insert Screw Terminal  
**W 27 L 104 D 31**



**C146 10B 024 1021**  
Female Insert Screw Terminal  
**W 27 L 104 D 32**



**C146 VN16 210 0002**  
Trumpet Strain Relief, PG21 (Cable < 21.0mm)  
**C146 VN16 290 0002**  
Trumpet Strain Relief, PG29 (Cable < 30.0mm)



**C146 VN16 210 0014**  
Gland Bush C/W Seal, PG21 (Cable 11.0 – 22.0mm)  
**C146 VN16 290 0014**  
Gland Bush C/W Seal, PG29 (Cable 19.0 – 31.0mm)



**C146 10G 024 6061**  
Top Entry Hood PG21, 2 Stud **W 43 L 120 D 62**  
**C146 10G 024 6071**  
Top Entry Hood PG29, 2 Stud **W 43 L 120 D 62**



**C146 10G 024 5071**  
Side Entry Hood, PG29, 2 Stud  
**W 43 L 120 D 76**



**C146 10F 024 0031**  
Cable Mount Base, PG21, 1 Lever  
**W 43 L 140 D 29**



**C146 10F 024 0011**  
Surface Mount Base, Open, 1 Lever  
**W 43 L 140 D 29**



**C146 10F 024 8021**  
Surface Mount Base, Enclosed, 1 Lever,  
1 x PG21, Side Entry  
**W 57 L 144 D 64**



**C146 10F 024 8061**  
Surface Mount Base, Enclosed, 1 Lever,  
1 x PG21, Side Entry, C/W Dust Cover  
**W 57 L 144 D 64**

Other non C146 series accessories available:



**GPG21SUP**  
Nylon Gland PG21 C/W Pigtail Support  
(Cable 10.0 – 17.5mm)



**GPG21**  
Nylon Gland PG21 (Cable 10.0 – 17.5mm)

**GPG29**  
Nylon Gland PG29 (Cable 16.0 – 24.0mm)

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## C146 SERIES

**Heavy Duty Amphenol Multi-Pole Power Connectors ALUMINIUM 24P + E**  
**2 Lever, 16 Amp 400V**

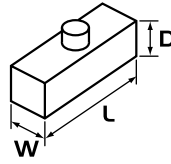
### APPLICATIONS:

- Lighting & Entertainment** For multiple control connections on stages and movie sets.
- Medical Industry** Suitable for medical devices and test equipment with a threaded collar to prevent accidental uncoupling.
- Industrial Connectors** Suitable for use on industrial machines and controls, data processing and instrumentation.

### PRODUCT FEATURES:

- ▶ Heavy duty alloy body & base
- ▶ Two lever (steel) locking mechanism to avoid disconnection
- ▶ IP65 when mated / IP53 for spring loaded hoods

Sizes in mm



### CONSTRUCTION:

- Body & Base** Aluminium die cast alloy.
- Insert** Thermoplastic with wire protection & silver plated contacts 24 Pole + Earth 16A 400V.
- Screw Terminal** 0.5 – 6.0mm<sup>2</sup>.
- Lever** Double mild steel.

### CHARACTERISTICS:

- Operating Temperature Range** -40°C to +125°C.
- Protection Class** IP65 when mated / IP53 for spring loaded hoods.
- Relevant Standards** DIN VDE 0110, IEC 60664, IEC 60529, UL-E63093, CSA-48932.



**C146 10A 024 1021**  
 Male Insert Screw Terminal  
**W 27 L 104 D 31**



**C146 10B 024 1021**  
 Female Insert Screw Terminal  
**W 27 L 104 D 32**



**C146 VN16 210 0002**  
 Trumpet Strain Relief, PG21 (Cable < 21.0mm)  
**C146 VN16 290 0002**  
 Trumpet Strain Relief, PG29 (Cable < 30.0mm)



**C146 VN16 210 0014**  
 Gland Bush C/W Seal, PG21 (Cable 11.0 – 22.0mm)  
**C146 VN16 290 0014**  
 Gland Bush C/W Seal, PG29 (Cable 19.0 – 31.0mm)



**C146 10Z 024 1001**  
 Protective Cover, 4 Stud  
**W 44 L 123 D 20**



**C146 10G 024 6001**  
 Top Entry Hood, PG21, 4 Stud **W 43 L 120 D 62**  
**C146 10G 024 6011**  
 Top Entry Hood, PG29, 4 Stud **W 43 L 120 D 62**



**C146 10G 024 5011**  
 Side Entry Hood, PG29, 4 Stud  
**W 43 L 120 D 62**



**C146 10G 024 8028**  
 Cable Mount Base, PG21, 2 Lever  
**W 43 L 94 D 62**



**C146 10F 024 0001**  
 Surface Mount Base, Open, 2 Lever  
**W 43 L 140 D 29**



**C146 10F 024 5001**  
 Surface Mount Base, Enclosed, 2 Lever,  
 1 x PG21, Side Entry  
**W 57 L 144 D 64**

Other non C146 series accessories available:



**GPG21SUP**  
 Nylon Gland PG21 C/W Pigtail Support  
 (Cable 10.0 – 17.5mm)



**GPG21**  
 Nylon Gland PG21 (Cable 10.0 – 17.5mm)  
**GPG29**  
 Nylon Gland PG29 (Cable 16.0 – 24.0mm)

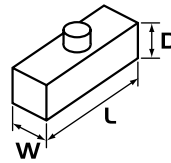
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# AMPHENOL PLUGS & CONNECTORS

## C146 SERIES

Heavy Duty Amphenol Multi-Pole Power Connectors ALUMINIUM 48P + E  
1 Lever, 16 Amp 400V

Sizes in mm



### APPLICATIONS:

**Lighting & Entertainment** For multiple control connections on stages and movie sets.

**Medical Industry** Suitable for medical devices and test equipment with a threaded collar to prevent accidental uncoupling.

**Industrial Connectors** Suitable for use on industrial machines and controls, data processing and instrumentation.

### PRODUCT FEATURES:

- ▶ Heavy duty alloy body & base
- ▶ One lever (steel) locking mechanism to avoid disconnection
- ▶ IP65 when mated / IP53 for spring loaded hoods

### CONSTRUCTION:

**Body & Base** Aluminium die cast alloy.

**Insert** Thermoplastic with silver plated contacts 48 Pole + Earth 16A 400V.

**Screw Terminal** 0.5 – 6.0mm<sup>2</sup>.

**Lever** Single mild steel.

### CHARACTERISTICS:

**Operating Temperature Range** -40°C to +125°C.

**Protection Class** IP65 when mated / IP53 for spring loaded hoods.

**Relevant Standards** DIN VDE 0110, IEC60664, IEC 60529, UL-E63093, CSA-48932.



#### C146 10A 024 1021

Male Insert Screw Terminal #1-24  
W 27 L 104 D 31



#### C146 10B 024 1021

Female Insert Screw Terminal #1-24  
W 27 L 104 D 32



#### C146 10G 048 5071

Side Entry Hood PG36, 2 Stud  
W 90 L 132 D 105



#### C146 10F 048 0031

Surface Mount Base, Open, 1 Lever,  
C/W Dust Cover  
W 90 L 165 D 43

Other non C146 series accessories available:



#### GPG36

Nylon Gland PG36 (Cable 18.0 – 31.0mm)

#### GPG29

Nylon Gland PG29 (Cable 16.0 – 24.0mm)

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# SINGLE CORE CABLE CONNECTORS

## PL SERIES

Connectors for Single Core Cables to 150mm<sup>2</sup>

### APPLICATIONS:

**Temporary Power Supply** Suitable for use for temporary power connections in the entertainment industry and industrial sites.

**Mining** With the ability to daisy chain and extend single core flexible cables, these connectors are suitable for mine pit extensions.

### PRODUCT FEATURES:

- ▶ Current rating 500 Amp @ 70°C (800 Amp available on request)
- ▶ Super high impact flame retardant thermoplastic insulators
- ▶ Individually keyed and colour coded to eliminate accidental cross mating
- ▶ Secondary locking pin to prevent unintentional uncoupling through cable torsion
- ▶ Multi contact with 23 spring loaded active elements to allow low insertion force
- ▶ Minimal power loss with insulation resistance > 5 ohms @ 500 V DC
- ▶ Protective caps & IP environmental dustcaps available on request
- ▶ CE Directive

### CONSTRUCTION:

Super high impact flame retardant thermoplastic insulators. Each connector type colour coded and individually keyed to eliminate the possibility of accidental cross mating. Secondary locking pin to prevent unintentional uncoupling through cable torsion or inquisitive hands. Multipoint contact with 23 spring loaded active elements to allow low insertion force and minimal power loss with insulation resistance > 5 ohms @ 500 V DC.

### CHARACTERISTICS:

**Operating Temperature Range** -30°C to 125°C.

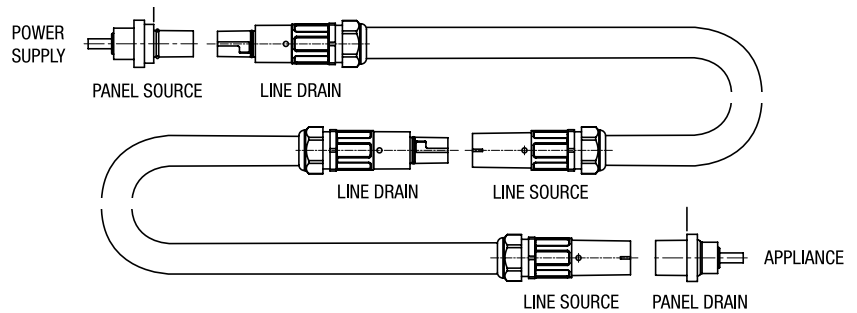
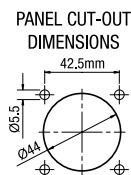
**Flammability** UL94 - VO.

**Protection Class**

**Ingress** IP67 (when mated) in accordance with EN60529.

**Electric Shock** IP2X with dead front insulated tip on contact element on items designated PANEL SOURCE and LINE SOURCE.

**Max Rated Voltage to Earth** 2kV AC / 3kV DC.



### Line Source

Code	Colour
PLLSRD	Red
PLLSWH	White
PLLSBL	Blue
PLLSBK	Black
PLLSGN	Green



### Panel Source

Code	Colour
PLPSRD	Red
PLPSWH	White
PLPSBL	Blue
PLPSBK	Black
PLPSGN	Green



### Line Drain

Code	Colour
PLLDRD	Red
PLLDWH	White
PLLDBL	Blue
PLLDBK	Black
PLLDGN	Green



### Panel Drain

Code	Colour
PLPDRD	Red
PLPDWH	White
PLPDBL	Blue
PLPDBK	Black
PLPDGN	Green



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