

Amphenol® LTW®

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Amphenol® LTW®

Waterproof Connector Solutions

Amphenol® LTW® Innovation in Waterproof Solution



Complete Range of Waterproof Connectors & Cable Assembly

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Numbe of Contacts

- 03, 04, 06, 07..... Pin

Style

- A – For Cable with S/R
- B – For Cable without S/R
- P – For Panel Front Mounting
- R – For Panel Rear Mounting

Connector Style

- M – Male Connector
- F – Female Connector

Specification

- PWE – Power Connector Current Rating 8A
- PWF – Power Connector Current Rating 12A
- PWC – Power Connector Current Rating 20A
- PWH – Power Connector Current Rating 25A
- PWBU – Power Connector Current Rating 10A+2A
- PWCU – Power Connector Current Rating 20A+2A
- PWG – Power Connector Current Rating 16A

Contact Type

- M – Male
- F – Female
- C – Combo

Mating Style

- L – Lock
- S – Screw
- Q – Quick

Waterproof Rating

- 6 = IP 66
- 7 = IP 67
- 8 = IP 68

Back Shell

- L – Straight (180° For Cable Type)
- R – Right Angle (90° For Cable Type)
- C – Circular (For Panel Type)
- S – Square (For Panel Type)

Version

- 000 : Phantom
- Without Cable 001, 002,.....
- For Cable A01 - 1M ~ A99 - 99M
 - A – UL2464 Cable
 - B – Power Cable

Assembly Style

- M – Molding Type
- A – Assembly Type
- S – Solder Type
- P – 180° PCB Type
- R – 90° PCB Type
- B – Screw in Type

SPECIFICATIONS

| No. | Specifications | Standard Value |
|--|----------------|---|
| 01. Identifications | | Power Connector |
| 02. Description | | Panel Mount, Molded with Cable and Field Installable |
| 03. Current Rating / Pin Arrangements | | 8A : 5 to 7 12A : 2 to 4 16A : 3+PE (Screw in Type Termination) 20A : 3 |
| 04. Material | | Contacts: Copper Alloy, Gold Plated 16A Available in Gold, Silver and Tin Plating Connector Body: Nylon + GF UL Recognized |
| 05. Temperature Range | | Cable: -20°C to +80°C Connector Body: -40°C to +105°C |
| 06. Waterproof Rating | | IP67 |
| 07. Contact Resistance | | 5mΩ |
| 08. Insulation Resistance | | ≥100MΩ at DC 250V |
| 09. Durability | | 500 Times |
| 10. Breakdown Voltage | | ≥AC 1000V / 1 Minute |
| 11. Standard Cable Length (for Molded Cable) | | 1–99M (Standard Cable: UL2464 PVC Jacket or Power Cable) |
| 12. Field Installable | | All Solder Contacts Unless And Otherwise Indicated |

CONTACT PIN ARRANGEMENT

| |
|--|
| <p>8A Current Size is between C and D size</p> |
| <p>12A Current Size is between C and D size</p> |
| <p>16A Current Size is between C and D size</p> |
| <p>20A Current C size</p> |
| <p>20A+2A Current Size is over E size</p> |
| <p>25A Current C size</p> |
| <p>○ 2A ● 8A ○ 12A ○ 16A ○ 20A ○ 25A</p> |


| Panel (Chassis) Mount | | Mating Parts | | Accessories |
|---|-----|--|-----|-------------|
| CONNECTOR | P/N | CONNECTOR | P/N | |
| <p>LTWPWE-PMMS-SC7001</p> <p>FEATURES:</p> <ul style="list-style-type: none"> • Male Connector • Front Mounting • IP 67 • Solder Contacts • ⚠ 8A: 5 to 7 Pins • UL Approved <p>PANEL CUT-OUT</p> | | <p>LTWPWE-AFFM-SL7AX</p> <p>FEATURES:</p> <ul style="list-style-type: none"> • Female Connector • In-line Molded Type (Cable to Cable or Cable to Field Installable) • With SR • IP 67 • ⚠ 8A: 5 to 7 Pins | | |
| | | <p>LTWPWE-BFFA-SL7001</p> <p>FEATURES:</p> <ul style="list-style-type: none"> • Female Connector • Solder Contacts • In-line Field Installable (Field Installable to Field Installable or Cable to Field Installable) • Without SR • IP 67 • ⚠ 8A: 5 to 7 Pins • UL Approved | | |
| <p>LTWPWE-PFFS-SC7001</p> <p>FEATURES:</p> <ul style="list-style-type: none"> • Female Connector • Front Mounting • IP 67 • Solder Contacts • ⚠ 8A: 5 to 7 Pins • UL Approved <p>PANEL CUT-OUT</p> | | <p>LTWPWE-AMMM-SL7AX</p> <p>FEATURES:</p> <ul style="list-style-type: none"> • Male Connector • In-line Molded Type (Cable to Cable or Cable to Field Installable) • With SR • IP 67 • ⚠ 8A: 5 to 7 Pins | | |
| | | <p>LTWPWE-BMMA-SL7001</p> <p>FEATURES:</p> <ul style="list-style-type: none"> • Male Connector • Solder Contacts • In-line Field Installable (Field Installable to Field Installable or Cable to Field Installable) • Without Cable • IP 67 • ⚠ 8A: 5 to 7 Pins • UL Approved | | |

| Panel (Chassis) Mount | | Mating Parts | | Accessories |
|--|--|--|--|--|
| CONNECTOR | P/N | CONNECTOR | P/N | |
|  <p>PANEL CUT-OUT</p>  | <p>LTWPWF-PMMS-SC7001</p> <p>FEATURES:</p> <ul style="list-style-type: none"> • Male Connector • Front Mounting • IP 67 • Solder Contacts • 12A: 2 to 4 Pins • UL Approved |  <p>LTWPWF-AFFM-SL7AX</p> <p>FEATURES:</p> <ul style="list-style-type: none"> • Female Connector • In-line Molded Type (Cable to Cable or Cable to Field Installable) • With SR • IP 67 • 12A: 2 to 4 Pins | | |
| | |  <p>LTWPWF-BFFA-SL7001</p> <p>FEATURES:</p> <ul style="list-style-type: none"> • Female Connector • Solder Contacts • In-line Field Installable (Field Installable to Field Installable or Cable to Field Installable) • Without SR • IP 67 • 12A: 2 to 4 Pins |  | |
|  <p>PANEL CUT-OUT</p>  | <p>LTWPWF-PFFS-SC7001</p> <p>FEATURES:</p> <ul style="list-style-type: none"> • Female Connector • Front Mounting • IP 67 • Solder Contacts • 12A: 2 to 4 Pins • UL Approved |  <p>LTWPWF-AMMM-SL7AX</p> <p>FEATURES:</p> <ul style="list-style-type: none"> • Male Connector • In-line Molded Type (Cable to Cable or Cable to Field Installable) • With SR • IP 67 • 12A: 2 to 4 Pins | |  |
| | |  <p>LTWPWF-BMMA-SL7001</p> <p>FEATURES:</p> <ul style="list-style-type: none"> • Male Connector • Solder Contacts • In-line Field Installable (Field Installable to Field Installable or Cable to Field Installable) • Without Cable • IP 67 • 12A: 2 to 4 Pins | | |

| Panel (Chassis) Mount | | Mating Parts | | Accessories |
|--|--|---|---|---|
| CONNECTOR | P/N | CONNECTOR | P/N | |
|  <p>PANEL CUT-OUT</p>  | <p>LTWPWG-04PFFB-SC</p> <p>FEATURES:</p> <ul style="list-style-type: none"> • Male Connector, Screw Type Lock • Panel Type, Nylon + GF Material • IP 67 • Male Pins 16A (3+PE) |  <p>LTWPWG-04BMMB-SL</p> <p>FEATURES:</p> <ul style="list-style-type: none"> • Male Connector, Screw Type Lock • Straight Assembly Type, Nylon + GF Material • IP 67 • Male Pins 16A (3+PE) | | |
| | |  <p>LTWPWG-04BMMB-SR</p> <p>FEATURES:</p> <ul style="list-style-type: none"> • Male Connector, Screw Type Lock • Right Angle Assembly Type, Nylon + GF Material • IP 67 • Male Pins 16A (3+PE) |  | |
|  <p>PANEL CUT-OUT</p>  | <p>LTWPWG-04PMMB-SC</p> <p>FEATURES:</p> <ul style="list-style-type: none"> • Female Connector, Screw Type Lock • Panel Type, Nylon + GF Material • IP 67 • Female Pins 16A (3+PE) |  <p>LTWPWG-04BMMB-SL</p> <p>FEATURES:</p> <ul style="list-style-type: none"> • Female Connector, Screw Type Lock • Straight Assembly Type, Nylon + GF Material • IP 67 • Female Pins 16A (3+PE) | |  |
| | |  <p>LTWPWG-04BMMB-SR</p> <p>FEATURES:</p> <ul style="list-style-type: none"> • Female Connector, Screw Type Lock • Right Angle Assembly Type, Nylon + GF Material • IP 67 • Female Pins 16A (3+PE) | | |

| Panel (Chassis) Mount | | Mating Parts | | Accessories |
|--|---|--|-----|-------------|
| CONNECTOR | P/N | CONNECTOR | P/N | |
|  <p>PANEL CUT-OUT</p> | <p>LTWPWC-03RMMS-LC7001 LTWPWC-03RMMS-LC7002</p> <p>FEATURES:</p> <ul style="list-style-type: none"> • Panel Male Connector, Lock Type • Rear Mounting • IP 67 • 20A (2+PE) • Solder Type, Male Contacts • UL and TUV Approved: LTWPWC-03RMMS-LC7002 |  <p>LTWPWC-03AFFM-LL7AXX</p> <p>FEATURES:</p> <ul style="list-style-type: none"> • Female Connector • In-line Molded Type • With SR • 20A (2+PE) Female Contacts • IP 67 | | |
| | |  <p>LTWPWC-03BFFA-LL7001</p> <p>FEATURES:</p> <ul style="list-style-type: none"> • Female Connector • Field Installable • 20A (2+PE) Female Contacts • IP 67 | | |
|  <p>PANEL CUT-OUT</p> | <p>LTWPWC-03RMFS-LC7001 LTWPWC-03RMFS-LC7002</p> <p>FEATURES:</p> <ul style="list-style-type: none"> • Panel Male Connector, Lock Type • Rear Mounting • IP 67 • 20A (2+PE) • Solder Type, Female Contacts • UL and TUV Approved: LTWPWC-03RMFS-LC7002 |  <p>LTWPWC-03AFMM-LL7AXX</p> <p>FEATURES:</p> <ul style="list-style-type: none"> • Female Connector • In-line Molded Type • With SR • 20A (2+PE) Male Contacts • IP 67 | | |
| | |  <p>LTWPWC-03BFMA-LL7001</p> <p>FEATURES:</p> <ul style="list-style-type: none"> • Female Connector • Field Installable • 20A (2+PE) Male Contacts • IP 67 | | |

| Panel (Chassis) Mount | | Mating Parts | | Accessories |
|---|--|--|-----|-------------|
| CONNECTOR | P/N | CONNECTOR | P/N | |
|  <p>PANEL CUT-OUT</p> | <p>LTWPWCU-04RMMS-LC7001 LTWPWCU-04RMMS-LC7002</p> <p>FEATURES:</p> <ul style="list-style-type: none"> • Panel Male Connector, Lock Type • Rear Mounting • IP 67 • 20A*3+2A Male Contacts • Solder Type • UL and TUV Approved: LTWPWU-03RMMS-LC7002 |  <p>LTWPWCU-04AFFM-LL7AXX</p> <p>FEATURES:</p> <ul style="list-style-type: none"> • Female Connector • In-line Molded Type • With SR • 20A*3+2A Female Contacts • IP 67 | | |
| | |  <p>LTWPWCU-04AFMM-LL7AXX</p> <p>FEATURES:</p> <ul style="list-style-type: none"> • Female Connector • Male Contact • In-line Molded Type • With SR • 20A*3+2A Male Contacts • IP 67 | | |
|  <p>PANEL CUT-OUT</p> | <p>LTWPWCU-04RMFS-LC7001 LTWPWCU-04RMFS-LC7002</p> <p>FEATURES:</p> <ul style="list-style-type: none"> • Panel Male Connector, Lock Type • Rear Mounting • IP 67 • 20A*3+2A Female Contacts • Solder Type • UL and TUV Approved: LTWPWU-03RMFS-LC7002 |  <p>LTWPWCU-04AFMM-LL7AXX</p> <p>FEATURES:</p> <ul style="list-style-type: none"> • Female Connector • Male Contact • In-line Molded Type • With SR • 20A*3+2A Male Contacts • IP 67 | | |
| | |  <p>LTWPWCU-04AFMM-LL7AXX</p> <p>FEATURES:</p> <ul style="list-style-type: none"> • Female Connector • Male Contact • In-line Molded Type • With SR • 20A*3+2A Male Contacts • IP 67 | | |

| Male Connector | | Mating Parts | | Accessories |
|---|---|---|---|-------------|
| CONNECTOR | P/N | CONNECTOR | P/N | |
|  <p>PANEL CUT-OUT</p>  | <p>LTWPHW-03PMMB-SC7001</p> <p>FEATURES:</p> <ul style="list-style-type: none"> • Panel Male Connector • Screw Type • Front Mounting • 25A (2+PE) • IP 67 • Screw in Type Male Contacts |  | <p>LTWPHW-03AFFM-SL7AXX</p> <p>FEATURES:</p> <ul style="list-style-type: none"> • Female Connector • Screw Type with SR • Molded with Cable • 25A (2+PE) Female Pins • IP 67 | |
|  <p>PANEL CUT-OUT</p>  | <p>LTWPHW-03AMMM-SL7AXX</p> <p>FEATURES:</p> <ul style="list-style-type: none"> • Screw Type with SR • Molded with Cable • 25A (2+PE) Male Pins • IP 67 | | | |

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