## Q8 Push Lock Connector

## Product Data Sheet

## Amphenol LTW New Push-Lock Connector Series - Q8

Amphenol LTW introduces its brand new Q8 pushlock connector series for your space-constraint applications. With audible feedback and guided key design, this Q8 Series ensures error-proof and easy assembly for blind mating. A simple quick and safe release to save you time and cost, with just a small pull force.


Designed to meet IP68 waterproof protection and rated to UL-F1 UV resistance, these connectors are fit for use to either indoor or outdoor wet locations and are UL2238 and UL50e compliant to achieve highest safety standard.

The Q8 connector series is rated up to 5A for both Low Voltage Power and Data transmissions. The product range includes 2 to 6 contact configuration and Hybrid (Power + Data) solution to suit your variable requirements.


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## Applications:



LED Lighting


Communication Systems


IP CCTV \& Security


Industrial
Automation


Electric
Vehicle

## Specification:

| General Characteristics |  | Technical Characteristics - Mechanical |  |
| :---: | :---: | :---: | :---: |
| Current Rating | $2 A, 5 A, 5 A+2 A$ | Mating Force | $5 \mathrm{kgf} \mathrm{Max}$. |
| Voltage Rating | 2A: 60 Vdc | Unmating Force | $3 \mathrm{kgf} \mathrm{Max}$. |
|  | 5A: $277 \mathrm{Vac} / \mathrm{Vdc}$ |  |  |
|  | 5A+2A: 5A, 277 Vac \& 2A, 60 Vdc | Tensile strength | $10 \mathrm{kgf} \mathrm{Min}$. |
| Durability | 2,000 cycles | Material Specification |  |
| Waterproof Rating | IP 68 (Mated, 1M/24 Hours) | Housing | High-temperature thermoplastic |
| Operating | $-30 \sim+105^{\circ} \mathrm{C}$ | Terminal | Copper Alloy, Gold Plated. |
| Temperature | (UL Rating : -30 ~ +90 ${ }^{\circ} \mathrm{C}$ ) | Gasket \& O-ring | Rubber |
| Technical Characteristics - Electrical |  | UV Resistant | $f 1$ material |
| Contact Resistance | $10 \mathrm{~m} \Omega$ max. | Environmental Conditions and Performance |  |
| Insulation Resistance | $100 \mathrm{M} \Omega \mathrm{Min}$. | Salt Spray | Salt Spray - 500 hours |
| Safety Compliance | UL 2238 ( Outdoor Use, UL 50e) |  | cess |

[^1]Amphenol LTW Technology Co., Ltd.

## Q8 Push Lock Connector

## Physical Dimensions Data Group

## Straight types

- Male / Female Contacts available
- UL Cable (21388)


| Dimension |  | L |  | OD |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Size | Type | Female | Male | Female | Male |
| M8 | Push Lock | 38.8 | 36.0 | 14.0 | 10.6 |

- UNIT: mm


## Front Fastened

- Male Connector
- Male / Female Contacts available
- Circular Flange


| Dimension |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Size | Type |  | OD | A | B | C | D | E (Max.) |
| M8 | Straight | 7.1 | 8.1 | 4.8 | 15.2 | 10.0 | 11.5 | 2.0 |

[^2]
[^0]:    * Design and specifications are subject to change without notice.

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[^2]:    - UNIT: mm

