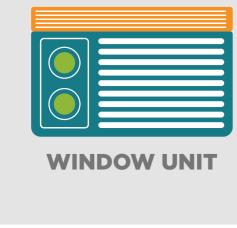
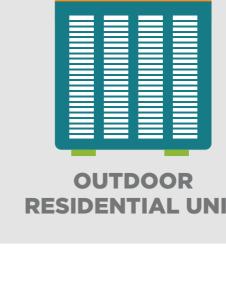
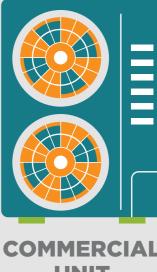


HVAC SYSTEMS IN HARSH CONDITIONS









UNIT

OFF YOUR SEARCH! CONNECTIVITY SOLUTIONS FOR YOUR HVAC SYSTEM

TAKE THE HEAT

building. HVAC systems are exposed to harsh environments ranging from extreme heat to frigid temperatures — both inside and outside the system.

The components in your design must withstand dust, debris, thermal shock, condensation, humidity, and corrosion. Choosing weak components can reduce energy-efficiency and degrade the system's performance.

It's not easy being an HVAC system ... whether installed in a home or a commercial

ISSUE

Water ingress

Condensation from hot and cold weather

Indoor humidity and moisture

Damp indoor environments

Moisture inside the HVAC

Damaged building materials and **HVAC** system components

RESULT

Deteriorating exterior wall assemblies

Damaged building materials and **HVAC** system components

Adverse health effects for building inhabitants

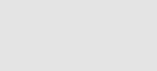
Damaged buildings and components, plus damp conditions that if prolonged could lead to growth of

molds, bacteria, and insect pests within HVAC systems

WHAT TO LOOK FOR I

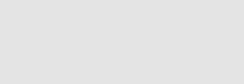
COMPONENTS















Flameproof

UNIVERSAL MATE-N-LOK CONNECTORS • Housings that feature positive polarization, positive locking, and

position assurance (TPA) for 2-5 positions Cap and plug housings and headers available in material meeting the GWT

requirement according to IEC 60335-1 5th edition, as well as the UL 94-VO • IP57 rated protection against

rear cavity identification for easy,

• Splash-proof Sealed Version, terminal

error-resistant assembly

- water and dust
- **CENTERLINE (MM):**
- **WIRE RANGE (AWG):**



Current rating (A): 19A MAX Voltage rating (V): 600VAC/VDC



FLAMMABILITY:



POWER VERSA-LOCK CONNECTORS • Extra locking mechanism that keeps AC equipment clean from debris and free

available for higher reliability

Designed with a mounting clip on

the cap housings to help reduce

environments

applications

CONFIGURATIONS:

W-W, W-P

from moisture due to condensation

Optional TPA or back cover accessory

• Optional IP67-rated protection against

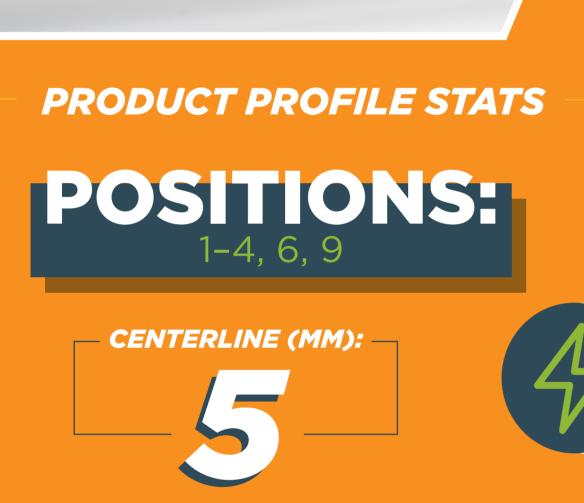
water and dust for use in water-related

connector movement in high vibration

Current rating (A): 15A MAX

Voltage rating (V): 600VAC

Operating temp range:



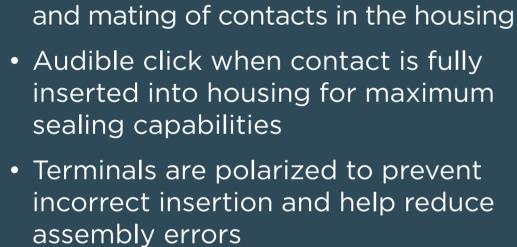


750°C

UL 94-VO, VO & GWEPT

WIRE SIZE (AWG):

2.5MM SEALED SIGNAL DOUBLE LOCK CONNECTOR



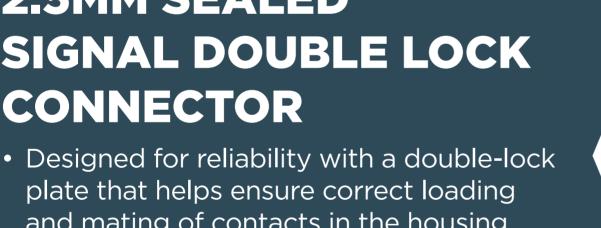
• IP67 rated sealed for reliable

and wet environments.

CENTERLINE (MM):

performance in high humidity

- **WIRE SIZE (AWG):**



Voltage rating (V): 250VAC

-30°C to +130°C

Operating temp range:



CONFIGURATIONS:

FLAMMABILITY:

UL 94-VO, GWT

PRODUCT PROFILE STATS

2 - 14 positions WTB, 2 – 10 positions WTW **Operating temp range:** -30°C to 105°C



CONFIGURATIONS:

W-B

-40°C to 120°C

Operating temp range:

TRIPLE-TESTED

TEST

To withstand thermal

shock, condensation,

• Temperature and humidity

and humidity, and

reduce corrosion

• Thermal shock

• Salt spray

flame

• HASS/HALT

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Temperature cycling

• Mixed flowing gas

• GWT, HWI, and needle

• Dust and water

ENVIRONMENTAL ELECTRICAL

> of high current and term, high-intensity rising temperature

 Low-level contact resistance • Dielectric withstanding voltage

TO MEET YOUR REQUIREMENTS

PERFORMANCE NEED To withstand long-To withstand the impact

MECHANICAL

TEST

temperature and humidity

Normal force and LLCR

• Current-carrying capacity • Temperature rise vs. current • EMC

Durability

tester

- **CONNECT WITH TE**
- Web Page

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WIRE SIZE (AWG): 22-18 FLAMMABILITY: UL 94-VO, GWT

CENTERLINE (MM): -

TE Connectivity (TE) products go through three advanced tests to ensure they meet your strict HVAC design requirements. TEST





