



3-Pin SMD Strip Connector, IP20,
12mm Strip-to-Strip Bridge, 3.5A

- 3-pin design bridges two 12mm SMD strip segments
- IP20 environmental rating for non-waterproof interior use
- Operates across DC 5-24V with 3.5A maximum current draw
- 150mm wire leads in 22AWG PVC, red-white-yellow coded
- UL certified under file number E536464
- Packaged 5 pieces per bag for job lot installs

OVERVIEW

The M-Z-CON3D-CA12mm is a 3-pin strip-to-strip bridge connector designed for use with 12mm SMD LED strip lights rated IP20. It provides a solderless connection method for joining two strip segments, suitable for interior installations where moisture protection is not required. Sold in bags of 5 pieces.

The connector is rated for DC 3V-24V operation and a maximum continuous current of 3.5A per connection. Wire leads are 150mm in length, 22AWG PVC-insulated, and color-coded red, white, and yellow for polarity identification.

Carries UL certification (file number E536464) and a 1-year warranty.

SPECIFICATIONS

OPTICAL

LED Lifetime 50,000 h

MECHANICAL

Strip Width 12 mm
0.47 in

COMPLIANCE

UL File Number E536464

ELECTRICAL

Operating Voltage 5-24 V

Current Draw 3.5 A

Wire Gauge 22 AWG

Wire Length 5.9 in

ENVIRONMENTAL

IP Rating IP20

Environmental Rating Non-Waterproof

ORDERING

Warranty 1 y

CERTIFICATIONS & COMPLIANCE



UL Listed
E536464

APPLICATIONS

- Interior cabinet and shelf lighting runs
- Strip-to-strip splicing in cove lighting
- Retail display and signage strip connections
- Under-counter LED strip installations

PROVENANCE — REVIEW COPY ONLY

slug	value	source	confidence
led_lifetime_h	50,000 h	db	high
operating_voltage	5–24 V	db	high
current_draw	3.5 A	db	high
wire_gauge	22 AWG	pdf	high
wire_length	5.9 in	pdf	medium
strip_width	12 mm	pdf	high
ip_rating	IP20	db	high
environmental_rating	Non-Waterproof	db	high
ul_file_number	E536464	db	high
warranty_years	1 y	db	high

Specifications subject to change without notice.

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