



COB Strip Connector, 12mm 3-Pin IP20, 150mm 22AWG Lead, DC 3V–24V / 3.5A

- 3-pin design fits 12mm COB LED strip-to-power connections
- 150mm lead length with 22AWG PVC red/white/yellow conductors
- Rated DC 3V–24V operating voltage at up to 3.5A current draw
- IP20 rated for non-waterproof, indoor dry environments
- UL certified under file number E536464
- Supplied 5 pieces per bag for multi-run installations

OVERVIEW

The M-Z-CON3D-SP-CA12mm is a 3-pin solderless connector designed for 12mm COB LED strip-to-power connections in IP20-rated indoor installations. It provides a tool-free termination point between a COB strip and a power supply lead, simplifying installation in dry, enclosed environments.

Each connector ships with a 150mm 22AWG PVC lead in a red/white/yellow three-conductor configuration and is rated for DC 3V–24V operation at up to 3.5A continuous current. Connectors are supplied in bags of 5.

Connectors carry 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

Material PVC

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

- Indoor COB strip-to-power connections
- Cabinet and shelf lighting installs
- Cove and architectural lighting terminations
- Retail display lighting connections
- Dry indoor commercial lighting runs

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
material	PVC	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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