

FLA Series Dimming Receptacle – ANSI C136–41

ANSI C136–41 COMPLIANT FLA DIMMING RECEPTACLE

FLA Series Dimming Receptacle – ANSI C136–41 is designed with power and dimming/signal contacts to provide a connection between dimmable photocell and the luminaire for commercial and utility lighting. The locking type receptacles are compliant with ANSI C136–10. These are also used for lighting applications inside Intelligent Buildings. FLA Dimming Receptacle comes with UL94V–0 high temperature resistant housing and are rated up to 15A per power contact.

- 0, 2 or 4 dimming contacts options
- RoHS Compliant
- UL94V–0 high temperature resistant housing
- Operating temperature range from –40°C to +105°C



TARGET MARKETS



FEATURES

- 0, 2 or 4 dimming contacts options
- UL94V–0 rated high temperature resistant housing
- Operating temperature from –40°C to +105°C
- RoHS compliant
- Receptacle comes pre-terminated with wire ranging from 18AWG to 14AWG rated at 105°C or 150°C

BENEFITS

- Design and application flexibility
- Ensures application safety
- Suitable for wide range of application environments
- Meets environmental, health and safety requirements
- Ease of integration into new or existing lighting fixtures

TECHNICAL INFORMATION

MATERIAL

- Housing: High temperature thermoplastic, UL94V-0 rated, black
- Dimmable Contacts: Copper alloy plated with 0.76µm (30µ”) min. gold over nickel
- Dimmable Contact Wire: Copper with PVC insulation, UL 10070, 18AWG
- Power Contacts: Copper alloy plated with tin over nickel
- Power Contact Wire: Copper with PVC insulation, UL 10070, 14AWG or 16AWG

MECHANICAL PERFORMANCE

- Thermal Shock: EIA 364–32
- Physical Shock: Per EIA364–27, Condition H (11ms 30G)
- Humidity: Per EIC512–6 / EIA364–11A
- Vibration: Per EIA364–28, Condition 5A
- Salt Spray: Per EIA364–26, 250Hrs
- Mating Cycles: EIA364–9, 25 cycles
- Operating Temperature: –40°C to +105°C
- Temperature Rise: EIA364–70, 30°C T at 15A

RECEPTACLE ELECTRICAL CHARACTERISTICS

- Voltage: 600V AC/DC
- Power Current Rating: 15A per contact
- Dimming Voltage Rating: 0–10V
- Power Contact Resistance LLCR: Δ30mΩ max.
- Dimming Contact Resistance: Δ30mΩ
- Insulation Resistance: 500MΩ min.
- Dielectric Withstanding Voltage: 2500V AC @ sea level

PACKAGING

- Box

SPECIFICATION

- Amphenol Specification: S6143C

ENVIRONMENTAL

- RoHS compliant per EU directive 2011/65/EU and amendments.

TARGET MARKETS/APPLICATIONS



Intelligent building
Area lighting
Street lighting

PART NUMBERS

Description	Part Numbers
FLA Series Dimming Receptacles – ANSI C136–41, no dimmable contacts, 14AWG wire gauge, –55 to 105°C operating temperature	FLA014130
FLA Series Dimming Receptacles – ANSI C136–41, 2 dimmable contacts, 14AWG wire gauge, –55 to 105°C operating temperature	FLA214130
FLA Series Dimming Receptacles – ANSI C136–41, 4 dimmable contacts, 14AWG wire gauge, –55 to 105°C operating temperature	FLA414130
FLA Series Dimming Receptacles – ANSI C136–41, no dimmable contacts, 14AWG wire gauge, –55 to 150°C operating temperature	FLA014230
FLA Series Dimming Receptacles – ANSI C136–41, 2 dimmable contacts, 14AWG wire gauge, –55 to 150°C operating temperature	FLA214230
FLA Series Dimming Receptacles – ANSI C136–41, 4 dimmable contacts, 14AWG wire gauge, –55 to 150°C operating temperature	FLA414230