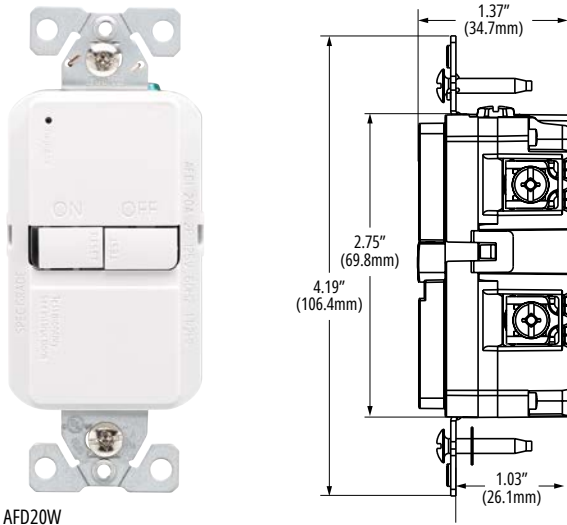


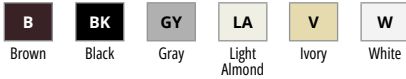
| | |
|-----------------|--------------|
| Project Name: | Prepared By: |
| Project Number: | Date: |
| Catalog Number: | Type: |



AFD20W

AVAILABLE IN THESE COLORS

*For ordering devices, include Cat. no. followed by the color suffix, for example: AFD20_



MATERIALS

| | |
|----------------------|-----------------------------------------------------------------|
| Housing | Top: Thermoplastic, polycarbonate Bottom: Thermoplastic, PVC |
| Strap | 0.042" thick steel, zinc-plated |
| Line contacts | 0.030" thick brass |
| Terminal | Brass/nickel-plated steel |

SPECIFICATIONS

| | |
|--------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Electrical | Dielectric voltage: Withstands 2000V per UL 498 Current interrupting: Yes, at full-rated current Temperature rise: Max. 30°C (86°F) after 100 cycles of overload @ 150% of rated current (DC) Rated for motor loads per UL508: 1.5 HP @ 125V/AC, maximum 20A full load Trip time: Less than 110ms @ Series Arcs above 30A Frequency: 60 Hz; Voltage: 125V; Amperage: 20A, 20A feed-through Short circuit testing: Meets and exceeds 10 kA Maximum interrupting capacity: 20 Amps |
| Testing & code compliance | cULus Listed to UL1699/A and UL498, File no. E341748 Meets all UL1699/A (AFCI), UL508 (Motor control) and UL498 (Receptacles) requirements and cULus to CEC part II and CSA C22.2 No.270 and C22.2, No.42. Federal Specification W-C-596H for 20A models; NOM certified |
| Environmental | Flammability: Meets UL 94 requirements; V2 rated Temperature rating: -35°C to 66°C (-31°F to 150.8°F) Operating Areas: Indoor use Relative Humidity: 98% RH; non-condensing |
| Mechanical | Terminal accommodation: #14 - 10 AWG Voltage ratings: Permanently marked on device |

Arrow Hart Website
Buyer's Guide Product page

DESCRIPTION

2-pole, 3-wire grounding
20A, 125V/AC



STANDARD SLIM AFCI BLANK FACE, BACK & SIDE WIRE

| Rating | | Description | Catalog no. | Color |
|--------|------|----------------------|--------------------------------|-----------------|
| A | V/AC | | | |
| 20 | 125 | Slim AFCI Blank Face | <input type="checkbox"/> AFD20 | B, BK, LA, V, W |

Wallplate not included unless specifically stated.

APPLICATIONS

- AFCI receptacles provide protection against unseen arc faults that can result in electrical fires.
- National Electric Code (NEC) mandates AFCI protection in dwelling units areas such as sunrooms, parlors, libraries, dens, rec rooms and closets.
- Other Occupancy types where AFCIs are required:
 - Dormitories
 - Guest rooms and guest suites of hotels and motels
 - Areas used exclusively as patient sleeping rooms in nursing homes and limited care facilities
 - Areas designed for use exclusively as sleeping quarters in fire stations, police stations, ambulance stations, rescue stations, ranger stations, and similar locations

DESIGN FEATURES

- Slimmer design for easy installation, leaving more room for wires in the box
- Child-safety black tamper resistant shutters help prevent improper insertion of foreign objects
- AFCI Receptacles incorporate lock-out functionality to protect against mis-wired line-load connections and AFCI circuitry damage
- Wider button wells for easy TEST and RESET
- Intuitive LED status indicators for trip and end of life states
- Clean, modern industrial design with reduced top housing markings and neutral text direction on buttons
- Meets and exceeds 10kA short circuit testing and Underwriters Laboratories UL 1699A and UL 498 Safety standards
- Automatic grounding system eliminates need for bonding jumper in grounded metal enclosure, provides redundant measure of ground continuity where jumper is used
- External backwire clamps provide visual confirmation of secure termination
- Line side terminals are backed out and staked for fast installation

COMPLEMENTARY PRODUCTS

Wallplates PJS26, PJS262

SEE TRIP INDICATOR CHART ON PAGE 2

ADDITIONAL RESOURCES



TRIP INDICATORS

| RESET Indicator LED | EOL Indicator Light | Diagnosis | Actions |
|---------------------|--------------------------------------|-------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| OFF | OFF | Device is functioning properly, OR branch circuit has no power | Manually press the TEST button to trip device. RESET indicator light should come on. <ul style="list-style-type: none">• If RESET indicator light does not come ON, check if there is power to the branch• If RESET indicator light does come ON, manually press the RESET button to restore power to the device• If AFCI receptacle does not reset, contact an electrician to replace the device• If AFCI receptacle does reset, device is functioning properly |
| ON | OFF | Device is in tripped state | Manually press the RESET button to restore power to the device <ul style="list-style-type: none">• If AFCI receptacle does not reset, contact an electrician to replace the receptacle |
| 1 Blink/2sec | OFF | Series Arc | Manually press the RESET button to restore power to the device <ul style="list-style-type: none">• If AFCI receptacle continues to trip, contact an electrician to locate and repair the series arc fault |
| 2 Blinks/2sec | OFF | Parallel Arc | Manually press the RESET button to restore power to the device <ul style="list-style-type: none">• If AFCI receptacle continues to trip, contact an electrician to locate and repair the parallel arc fault |
| 4 Blinks/3sec | OFF | Overvoltage | Manually press the RESET button to restore power to the device <ul style="list-style-type: none">• If AFCI receptacle continues to trip, contact an electrician to locate and repair the overvoltage condition |
| ON or OFF | Blinking continuously or Solid ON | Device is in "end of life" state and must be replaced | Manually press the RESET button to restore power to the device <ul style="list-style-type: none">• If AFCI receptacle continues to trip, contact an electrician to replace the device |