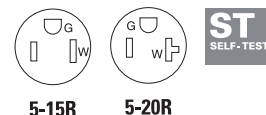


# Arrow Hart commercial grade GFCI receptacles

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

## Description

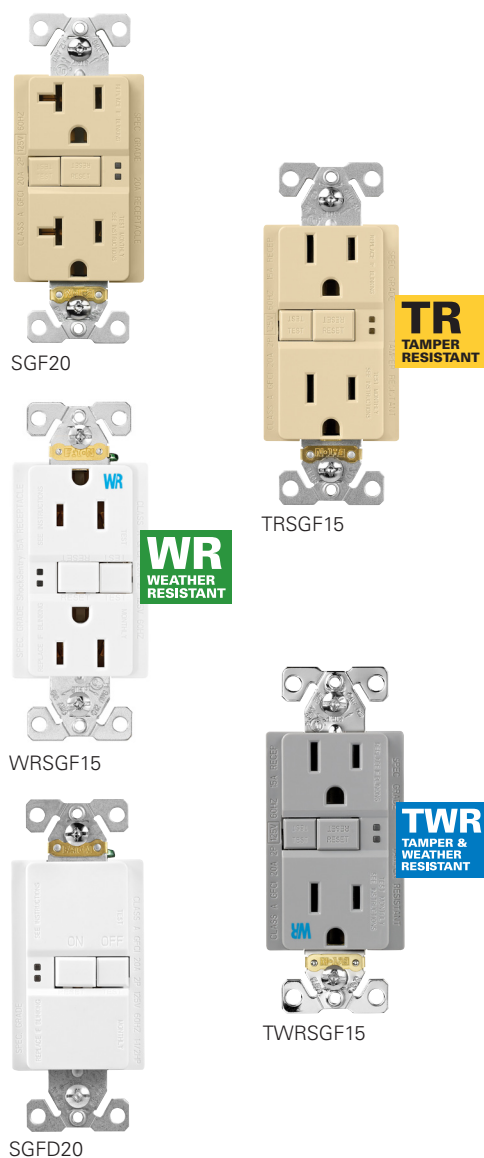
2-pole, 3-wire grounding  
15A, 125V/AC  
20A, 125V/AC



## Design features

- Performs periodic self-tests to ensure integrity of GFCI protection
- Visual trip indicator light gives quick notification of a tripped or "end of life" condition
- Meets and exceeds 10 kA short circuit testing and Underwriters Laboratories (UL) UL943 safety standards
- Automatic grounding system eliminates need for bonding jumper in grounded metal enclosure, provides redundant measure of ground continuity where jumper is used
- Ground termination with back wire clamp provides secure wiring and reduces installation time
- Tamper resistant shutters help prevent foreign objects from being inserted
- Line side terminals are backed out and staked for fast installation
- Horizontal test/reset button alignment provides larger unobstructed area
- Test and reset buttons are color matched to provide superior aesthetics
- Tapered back wire openings handle multiple wire sizes and types for applications up to #10 AWG solid or stranded wire
- When downstream receptacles are wired from load side, a 20A feed-through rating offers full protection
- Black tamper resistant shutters create seamless look
- Line-load miswiring protection: GFCIs will not provide power downstream when wired incorrectly
- Tri-combo head terminal and mounting screws
- UL Listed, fully compliant with all latest UL943 Class A GFCI requirements
- Tamper resistant models comply with 2017 and 2020 NEC Article 406.12
- Weather resistant models comply with 2017 and 2020 NEC Article 406.9 that states that all receptacles installed in wet or damp locations must be weather resistant
- Longer, wider "bridged" strap provides 40% more contact area with wallboard, virtually eliminating floating installations
- Matching thermoplastic wallplate included

Compliances, specifications and availability are subject to change without notice.



# EATON

Powering Business Worldwide



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

**Table 1. Commercial grade**

Catalog no.	Description	Rating		NEMA	Color suffix
		A	V/AC		
<input type="checkbox"/> SGF15___	Duplex GFCI, back & side wire	15	125	5-15R	A, B, BK, GY, LA, V, W
<input type="checkbox"/> SGF15F___	Duplex GFCI USMCA compliant, back & side wire	15	125	5-15R	B, BK, GY, LA, V, W
<input type="checkbox"/> WRSGF15___	Weather resistant duplex GFCI, back & side wire	15	125	5-15R	B, GY, V, W
<input type="checkbox"/> SGF15___-50	SGF15 50-pack No screws & wallplates	15	125	5-15R	A, BK, GY, V, W
<input type="checkbox"/> SGF20___	Duplex GFCI, back & side wire	20	125	5-20R	A, B, BK, GY, LA, RD, V, W
<input type="checkbox"/> SGF20F___	Duplex GFCI USMCA compliant, back & side wire	20	125	5-20R	B, BK, GY, LA, RD, V, W
<input type="checkbox"/> WRSGF20___	Weather resistant duplex GFCI, back & side wire	20	125	5-20R	B, BK, GY, V, W
<input type="checkbox"/> SGF20___-50	SGF20 50-pack No screws & wallplates	20	125	5-20R	B, BK, V
<input type="checkbox"/> SGFD20___	Blank face / Dead front	20	125	5-20R	A, B, BK, LA, V, W

**Table 2. Commercial grade, tamper and weather resistant**

Catalog no.	Description	Rating		NEMA	Color suffix
		A	V/AC		
<input type="checkbox"/> TRSGF15___	Tamper resistant duplex GFCI, back & side wire	15	125	5-15R	A, B, BK, GY, LA, V, W, SG, RB
<input type="checkbox"/> TRSGF15___-50	TRSGF15 50-pack No screws & wallplates	15	125	5-15R	W
<input type="checkbox"/> TRSGF15___-M	Tamper resistant duplex GFCI with mid-size wallplate, back & side wire	15	125	5-15R	LA, V, W
<input type="checkbox"/> TRSGF15F___	Tamper resistant duplex GFCI USMCA compliant, back & side wire	15	125	5-15R	B, BK, GY, LA, V, W
<input type="checkbox"/> TWRSGF15___	Tamper & weather resistant duplex GFCI, back & side wire	15	125	5-15R	B, GY, LA, V, W
<input type="checkbox"/> TRSGF20___	Tamper resistant duplex GFCI, back & side wire	20	125	5-20R	A, B, BK, GY, LA, RD, V, W
<input type="checkbox"/> TRSGF20F___	Tamper resistant duplex GFCI USMCA compliant, back & side wire	20	125	5-20R	B, BK, GY, LA, RD, V, W
<input type="checkbox"/> TWRSGF20___	Tamper & weather resistant duplex GFCI, back & side wire	20	125	5-20R	B, GY, LA, V, W

**Table 3. GFCI status indicators**

EOL indicator RED LED	Trip indicator AMBER LED	Diagnosis	Color suffix
OFF	OFF	Device is functioning properly OR branch circuit may have no power	Manually depress TEST button to trip device. <b>Amber</b> light should come ON <ul style="list-style-type: none"> <li>• If <b>Amber</b> light does <b>not</b> come ON, check if there is power to the branch</li> <li>• If <b>Amber</b> light does come ON, manually depress the RESET button to restore power to the device</li> <li>• If GFCI does not reset, replace GFCI</li> <li>• If GFCI does reset, device is functioning properly</li> </ul>
OFF	<b>ON</b>	Device is in tripped state	Manually depress the RESET button to restore power to the device <ul style="list-style-type: none"> <li>• If GFCI does not reset, replace GFCI</li> </ul>
Blinking or ON	OFF	Device's "end of life" indication device is in reset state	Manually depress TEST button to trip device. <b>Amber</b> light should come ON <ul style="list-style-type: none"> <li>• If <b>Amber</b> light does <b>not</b> come ON, check if there is power to the branch</li> <li>• If <b>Amber</b> light does come ON, manually depress the RESET button to restore power to the device</li> <li>• If it does not reset, and/or the blinking continues, replace GFCI</li> </ul>
Blinking or ON	<b>ON</b>	Device's "end of life" indication device is in tripped state	Manually depress the RESET button to restore power to the device <ul style="list-style-type: none"> <li>• If it does not reset, and/or the blinking continues, replace GFCI</li> </ul>

**EOL:** End of Life

## Applications

GFCI receptacles are designed with the safety of the user in mind. In commercial and industrial areas like public bathrooms, breakrooms and food service areas, the NEC requires GFCI receptacles. Arrow Hart GFCI receptacles are UL Listed and fully compliant with all of the latest UL943 Class A GFCI and UL498 requirements. Additionally, GFCIs incorporate lock-out functionality to protect against mis-wired line-load connections and GFCI circuitry damage.

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

**Table 4. Specifications**

Catalog no.	GFCI 15A & 20A SGF and SGF__F series	GFCI 15A & 20A; TRSGF, TRSGF__F, WRS GF, TWRS GF series
<b>Device type</b>	<b>Specification grade</b>	<b>Specification grade tamper resistant &amp; weather resistant duplex</b>
<b>Wiring type</b>	Back & side wire	Back & side wire
<b>Testing &amp; code compliance</b>	<ul style="list-style-type: none"> <li>cULus Listed to UL 498 and UL 943, file no. E60120</li> <li>Meets all UL 943 (GFCI), UL 498 (receptacles) and applicable CSA requirements</li> <li>NOM certified</li> </ul>	<ul style="list-style-type: none"> <li>cULus Listed to UL 498 and UL 943, file no. E60120</li> <li>Meets all UL 943 (GFCI), UL 498 (receptacles) and applicable CSA requirements</li> <li>NOM certified</li> </ul>
<b>Environmental specifications</b>	<b>Flammability:</b> Meets UL 94 requirements; V2 rated <b>Temperature rating:</b> -35°C to 66°C (-31°F to 150.8°F)	<b>Flammability:</b> Meets UL 94 requirements; V2 rated <b>Temperature rating:</b> -35°C to 66°C (-31°F to 150.8°F)
<b>Electrical specifications</b>	<b>Dielectric voltage:</b> Withstands 2000V per UL 498 <b>Current interrupting:</b> Yes, at full-rated current <b>Temperature rise:</b> Max. 30°C (86°F) after 100 cycles of overload @ 150% of rated current (DC) <b>Trip time:</b> 0.025 seconds (Class A) <b>Frequency:</b> 60 Hz; Voltage: 125V; Amperage: 15A/20A 20A feed-through <b>Short circuit testing:</b> Meets and exceeds 10 kA <b>Maximum interrupting capacity:</b> 20 Amps	<b>Dielectric voltage:</b> Withstands 2000V per UL 498 <b>Current interrupting:</b> Yes, at full-rated current <b>Temperature rise:</b> Max. 30°C (86°F) after 100 cycles of overload @ 150% of rated current (DC) <b>Trip time:</b> 0.025 seconds (Class A) <b>Frequency:</b> 60 Hz; Voltage: 125V; Amperage: 15A/20A 20A feed-through <b>Short circuit testing:</b> Meets and exceeds 10 kA <b>Maximum interrupting capacity:</b> 20 Amps
<b>Mechanical specifications</b>	<b>Terminal accommodation:</b> #14 - 10 AWG <b>Voltage ratings:</b> Permanently marked on device	<b>Terminal accommodation:</b> #14 - 10 AWG <b>Voltage ratings:</b> Permanently marked on device

**Table 5. Materials**

Catalog no.	GFCI 15A & 20A SGF and SGF__F series	GFCI 15A & 20A; TRSGF, TRSGF__F, WRS GF, TWRS GF series
<b>Top housing</b>	Thermoplastic, polycarbonate	Thermoplastic, polycarbonate
<b>Bottom housing</b>	Thermoplastic, PVC	Thermoplastic, PVC
<b>Strap</b>	0.042" thick steel, zinc-plated	0.042" thick steel, zinc-plated; WR & TWR: nickel-plated
<b>Line contacts</b>	0.030" thick brass	0.030" thick brass
<b>Terminal &amp; ground screws</b>	#8-32 steel, brass-plated; neutral screw nickel-plated, ground screw green	Terminal: Brass/nickel-plated steel; WR & TWR brass/nickel-plated stainless steel; Ground: ground screw green on all models, WR and TWR stainless steel
<b>Terminal clamps</b>	0.070" thick steel	Brass-plated steel; WR & TWR nickel-plated steel

**Table 6. Color ordering information**

For ordering devices, include Cat. no. followed by the color code: A (Almond), B (Brown), BK (Black), GY (Gray), LA (Light Almond), RD (Red), V (Ivory), W (White), SG (Silver Granite), RB (Oil Rubbed Bronze)

<b>A</b>	<b>B</b>	<b>BK</b>	<b>GY</b>	<b>LA</b>	<b>RD</b>	<b>V</b>	<b>W</b>	<b>SG</b>	<b>RB</b>
Almond	Brown	Black	Gray	Lt. Almond	Red	Ivory	White	Silver Granite	Oil Rubbed Bronze

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

## Product dimensions

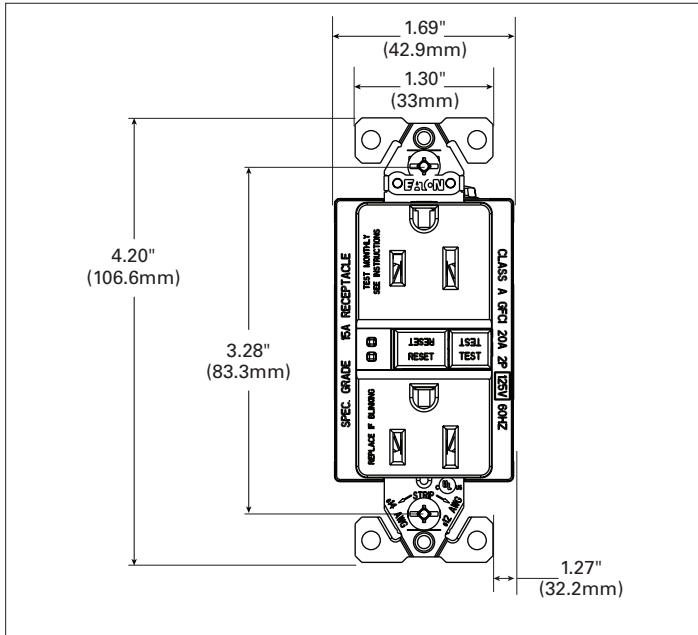


Figure 1. SGF15, SGF15-M & SGF15F Line art with dimensions

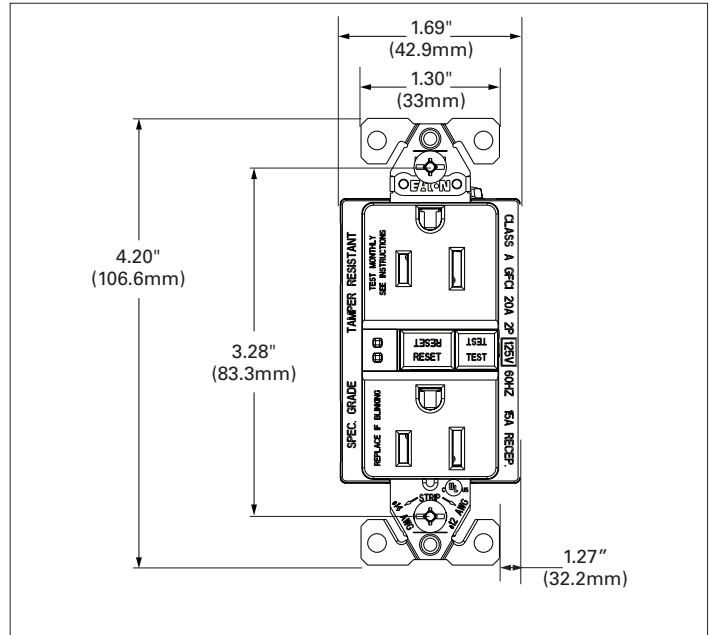


Figure 2. TRSGF15, TRSGF15-M & TRSGF15F Line art with dimensions

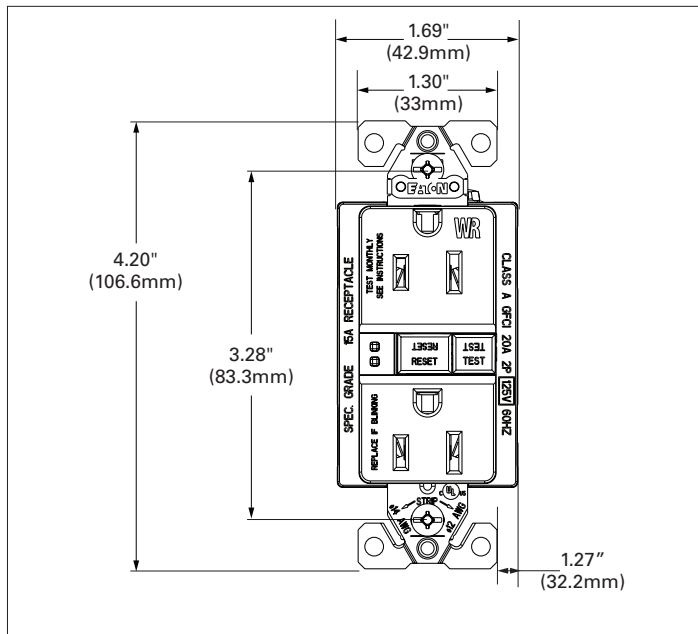


Figure 3. WRSF15 Line art with dimensions

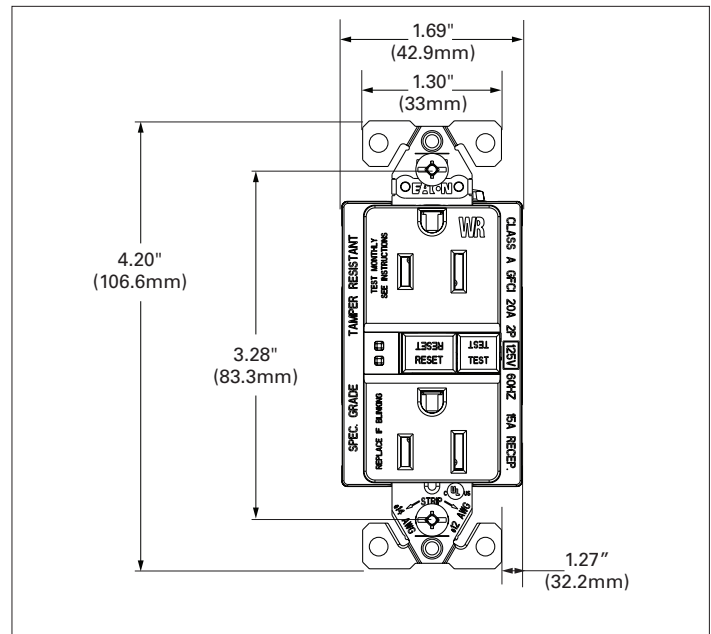


Figure 4. TWRSGF15 Line art with dimensions

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

## Product dimensions

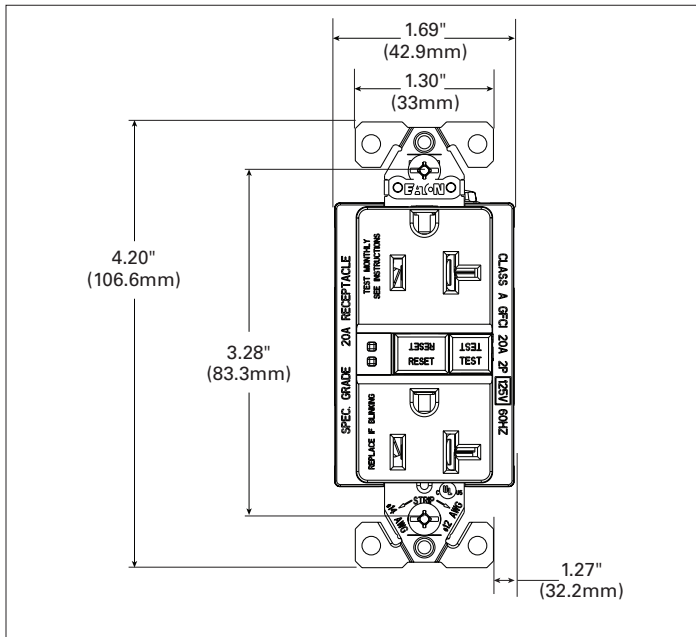


Figure 5. SGF20 & SGF20F Line art with dimensions

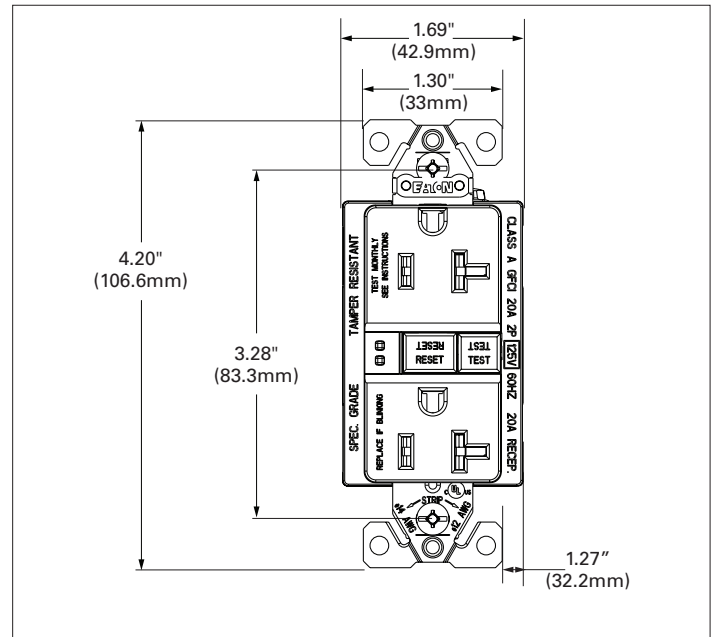


Figure 6. TRSGF20 & TRSGF20F Line art with dimensions

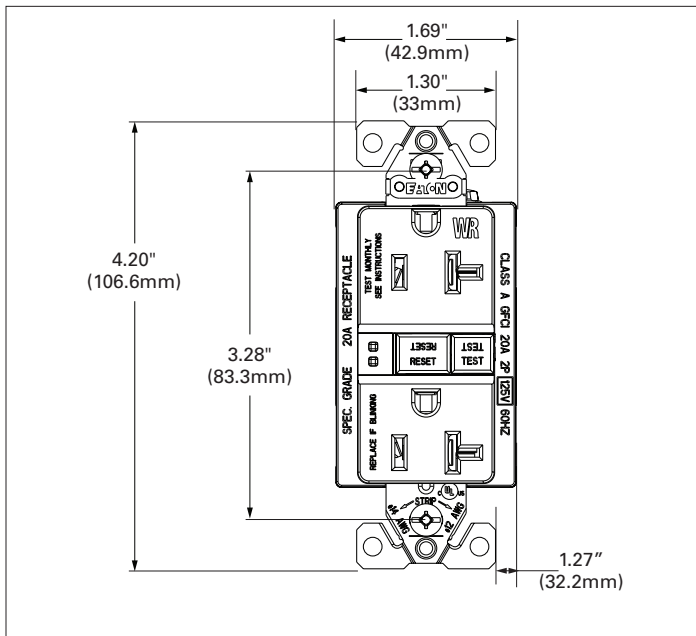


Figure 7. WRSGF20 Line art with dimensions

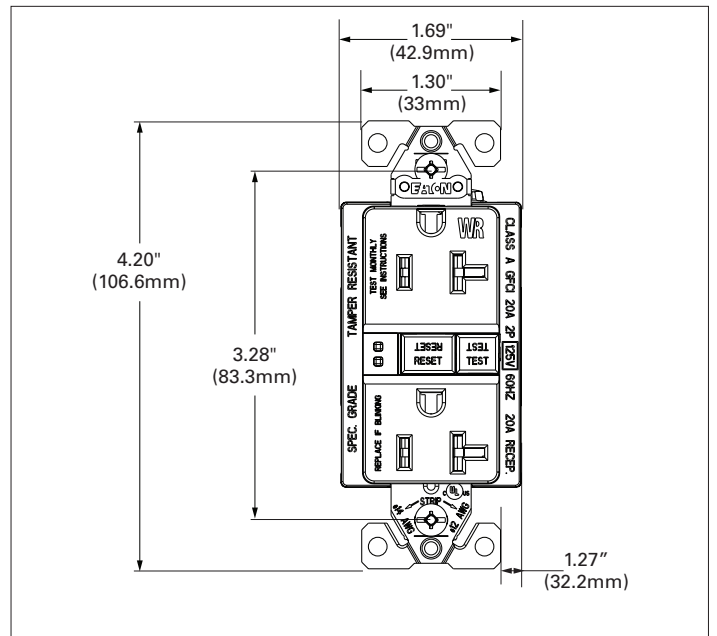


Figure 8. TWRSGF20 Line art with dimensions

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

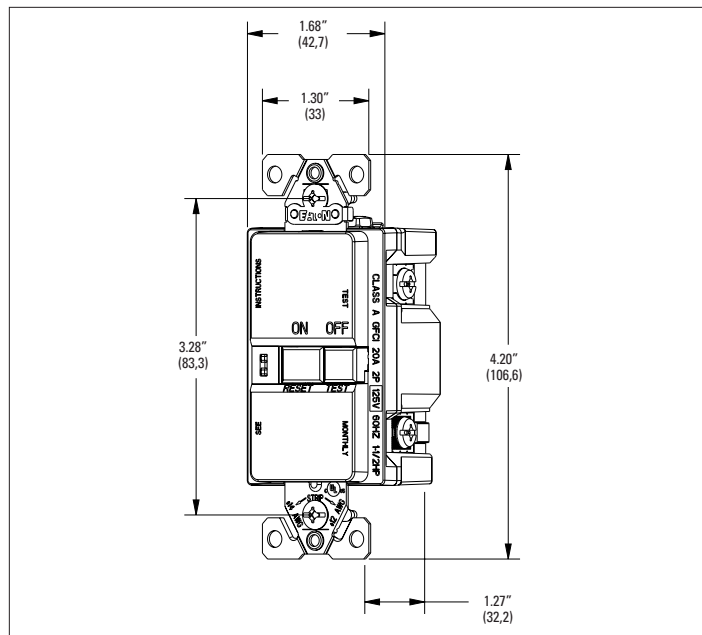


Figure 9. SGFD20 Line art with dimensions

## Certifications & compliances

Catalog no.				
SGF15	•	•	•	•
SGF15M	•	•	•	•
SGF15F	•	•	•	•
TRSGF15	•	•	•	•
TRSGF15-M	•	•	•	•
TRSGF15F	•	•	•	•
WRSGF15	•	•	•	•
TWRSGF15	•	•	•	•
SGF20	•	•	•	•
SGF20F	•	•	•	•
TRSGF20	•	•	•	•
TRSGF20F	•	•	•	•
WRSGF20	•	•	•	•
TWRSGF20	•	•	•	•

**KEY:** cULus NOM Arrowlink ROHS

Parts are manufactured and designed in accordance with article 4 of the European Union's RoHS2 directive 2011/65/EU

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