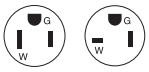
Arrow Hart specification grade GFCI receptacles

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

Description

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



5-15P 5-20P



SGF20



TRSGF15



WRSGF15



TWRSGF15

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
- 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 NEC Article 406.12
- Weather resistant models comply with 2017 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.

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

Table 1. Specification grade

Catalog no.	Description	Rating A	V/AC	NEMA	Color suffix
☐ SGF15___	Duplex GFCI, back & side wire	15	125	5-15R	A, B, BK, GY, LA, RD, V, W
☐ SGF15___-M	Duplex GFCI with mid-size wallplate, back & side wire	15	125	5-15R	A, LA, V, W
☐ SGF15F___	Duplex GFCI NAFTA compliant, back & side wire	15	125	5-15R	B, BK, GY, LA, RD, V, W
☐ WRSGF15___	Weather resistant duplex GFCI, back & side wire	15	125	5-15R	B, GY, V, W
☐ SGF15__-50	SGF15 50-pack No screws & wallplates	15	125	5-15R	BK, GY, V, W
☐ SGF20___	Duplex GFCI, back & side wire	20	125	5-20R	A, B, BK, GY, LA, RD, V, W
☐ SGF20F___	Duplex GFCI NAFTA compliant, back & side wire	20	125	5-20R	B, BK, GY, LA, RD, V, W
☐ WRSGF20___	Weather resistant duplex GFCI, back & side wire	20	125	5-20R	B, GY, V, W

Table 2. Specification grade, tamper and weather resistant

Catalog no.	Description	Rating A	V/AC	NEMA	Color suffix
☐ TRSGF15___	Tamper resistant duplex GFCI, back & side wire	15	125	5-15R	A, B, BK, GY, LA, RD, V, W, SG, RB
☐ TRSGF15__-50	TRSGF15 50-pack No screws & wallplates	15	125	5-15R	W
☐ TRSGF15___-M	Tamper resistant duplex GFCI with mid-size wallplate, back & side wire	15	125	5-15R	A, LA, V, W
☐ TRSGF15F___	Tamper resistant duplex GFCI NAFTA compliant, back & side wire	15	125	5-15R	B, BK, GY, LA, RD, V, W
☐ TWRSGF15___	Tamper & weather resistant duplex GFCI, back & side wire	15	125	5-15R	B, GY, LA, V, W
☐ TRSGF20___	Tamper resistant duplex GFCI, back & side wire	20	125	5-20R	A, B, BK, GY, LA, RD, V, W
☐ TRSGF20F___	Tamper resistant duplex GFCI NAFTA compliant, back & side wire	20	125	5-20R	B, BK, GY, LA, RD, V, W
☐ 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. **Amber** light should come ON • If **Amber** light does not come ON, check if there is power to the branch • If **Amber** light does come ON, manually depress the RESET button to restore power to the device • If GFCI does not reset, replace GFCI • If GFCI does reset, device is functioning properly
OFF	**ON**	Device is in tripped state	Manually depress the RESET button to restore power to the device • If GFCI does not reset, replace GFCI
Blinking	OFF	Device's "end of life" indication device is in reset state	Manually depress TEST button to trip device. **Amber** light should come ON • If **Amber** light does not come ON, check if there is power to the branch • If **Amber** light does come ON, manually depress the RESET button to restore power to the device • If it does not reset, and/or the blinking continues, replace GFCI
Blinking	**ON**	Device's "end of life" indication device is in tripped state	Manually depress the RESET button to restore power to the device • If it does not reset, and/or the blinking continues, replace GFCI

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, WRSGF, TWRSGF series
Device type	**Specification grade**	**Specification grade tamper resistant & weather resistant duplex**
Wiring type	Back & side wire	Back & side wire
Testing & code compliance	• cULus Listed to UL 498 and UL 943, file no. E60120 • Meets all UL 943 (GFCI), UL 498 (receptacles) and applicable CSA requirements • NOM certified	• cULus Listed to UL 498 and UL 943, file no. E60120 • Meets all UL 943 (GFCI), UL 498 (receptacles) and applicable CSA requirements • NOM certified
Environmental specifications	**Flammability:** Meets UL 94 requirements; V2 rated **Temperature rating:** -35ºC to 66ºC (-31ºF to 150.8ºF)	**Flammability:** Meets UL 94 requirements; V2 rated **Temperature rating:** -35ºC to 66ºC (-31ºF to 150.8ºF)
Electrical specifications	**Dielectric voltage:** Withstands 2000V per UL 498 **Current interrupting:** Yes, at full-rated current **Temperature rise:** Max. 30ºC (86°F) after 100 cycles of overload @ 150% of rated current (DC) **Trip time:** 0.025 seconds (Class A) **Frequency:** 60 Hz; Voltage: 125V; Amperage: 15A/20A 20A feed-through **Short circuit testing:** Meets and exceeds 10 kA **Maximum interrupting capacity:** 20 Amps	**Dielectric voltage:** Withstands 2000V per UL 498 **Current interrupting:** Yes, at full-rated current **Temperature rise:** Max. 30ºC (86°F) after 100 cycles of overload @ 150% of rated current (DC) **Trip time:** 0.025 seconds (Class A) **Frequency:** 60 Hz; Voltage: 125V; Amperage: 15A/20A 20A feed-through **Short circuit testing:** Meets and exceeds 10 kA **Maximum interrupting capacity:** 20 Amps
Mechanical specifications	**Terminal accommodation:** #14 - 10 AWG **Voltage ratings:** Permanently marked on device	**Terminal accommodation:** #14 - 10 AWG **Voltage ratings:** Permanently marked on device

Table 5. Materials

Catalog no.	GFCI 15A & 20A SGF and SGF__F series	GFCI 15A & 20A; TRSGF, TRSGF__F, WRSGF, TWRSGF series
Top housing	Thermoplastic, polypropylene	Thermoplastic, polypropylene; except WR: nylon 6/6
Bottom housing	Thermoplastic, PVC	Thermoplastic, PVC
Strap	0.042" thick steel, zinc-plated	0.042" thick steel, zinc-plated; WR & TWR: nickel-plated
Line contacts	0.030" thick brass	0.030" thick brass
Terminal & ground screws	#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
Terminal clamps	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)

A	B	BK	GY	LA	RD	V	W	SG	RB
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

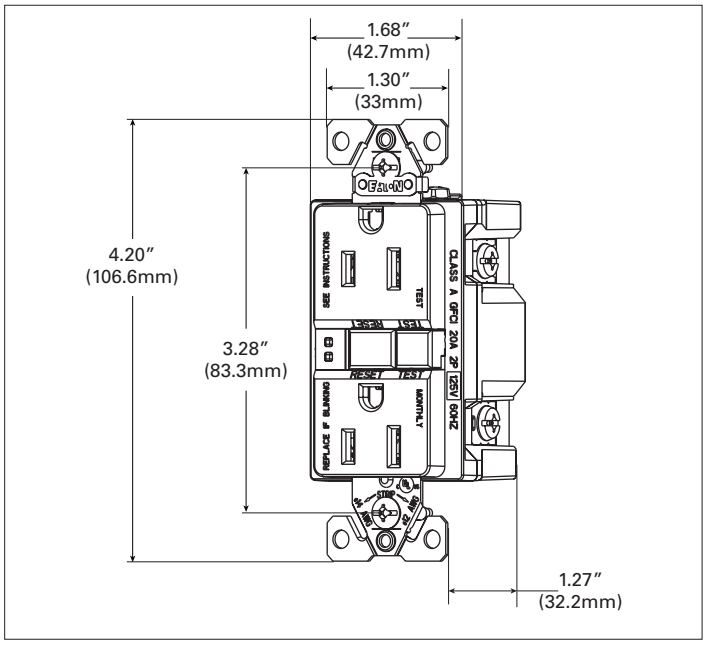


Figure 3. SGF15, SGF15-M & SGF15F Line art with dimensions

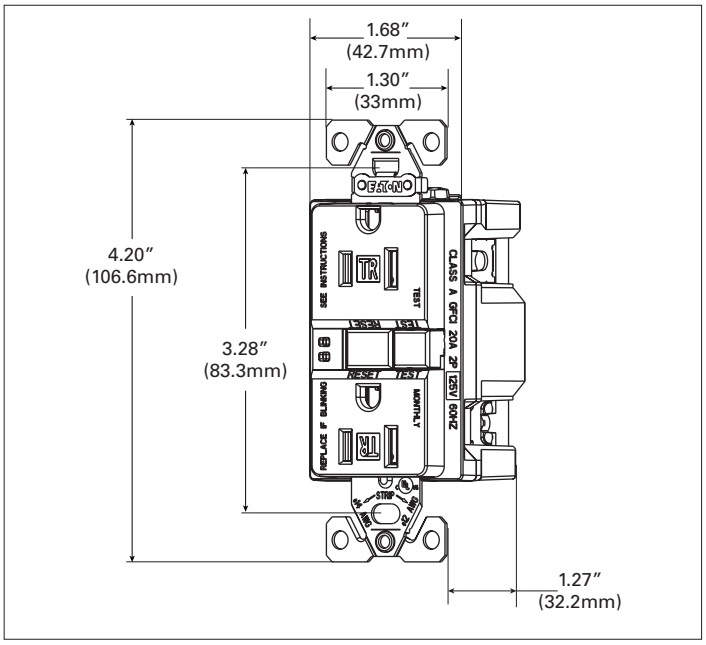


Figure 4. TRSGF15, TRSGF15-M & TRSGF15F Line art with dimensions

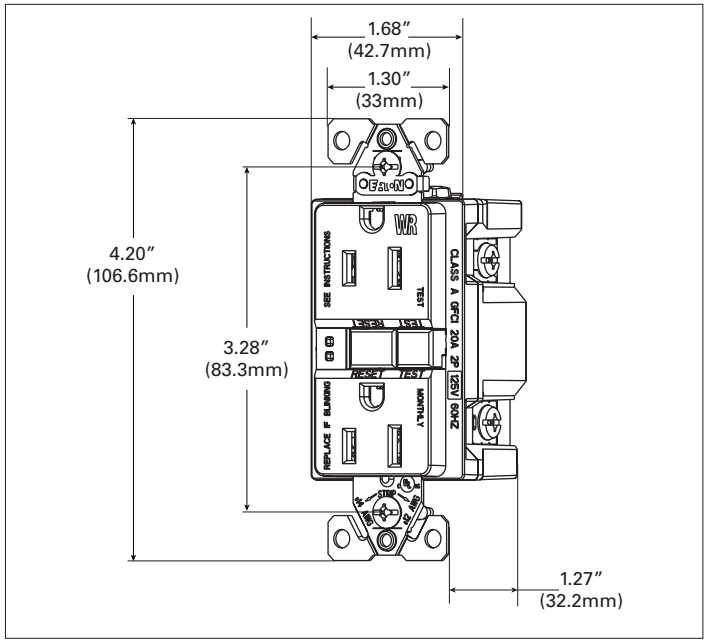


Figure 1. WRSGF15 Line art with dimensions

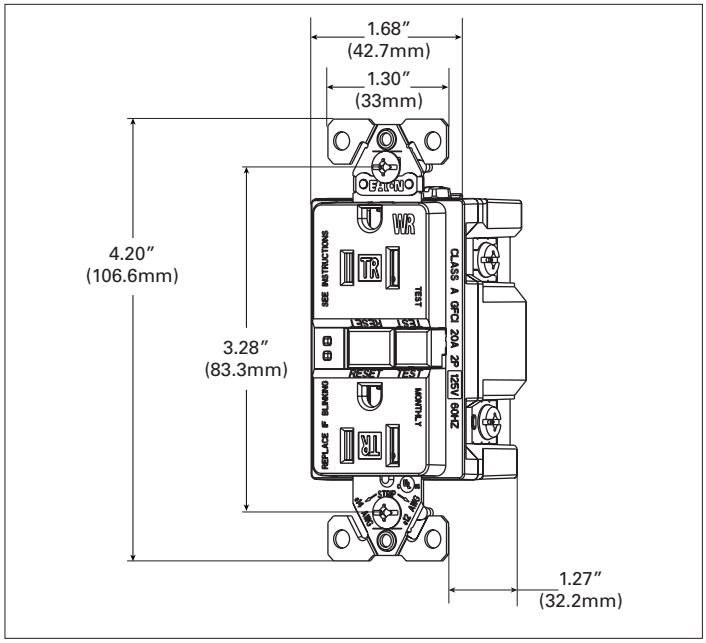


Figure 2. TWRSGF15 Line art with dimensions

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

Product dimensions

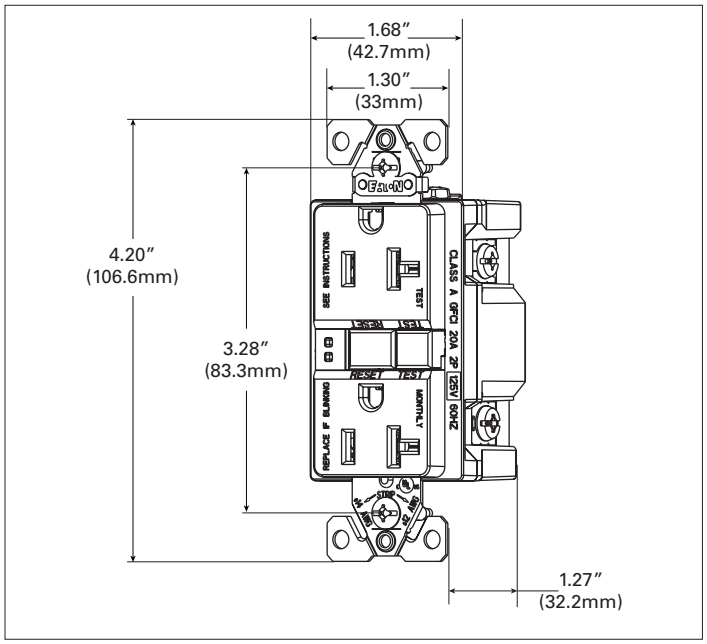


Figure 5. SGF20 & SGF20F Line art with dimensions

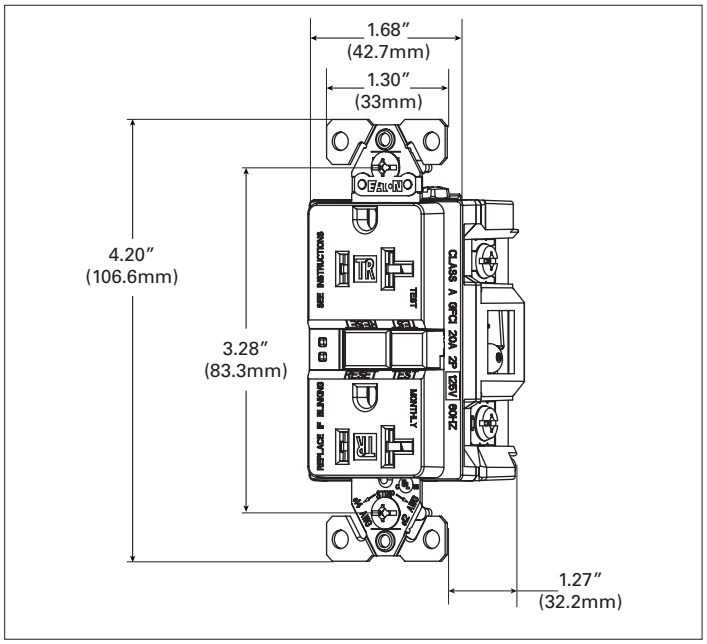


Figure 6. TRSGF20 & TRSGF20F Line art with dimensions

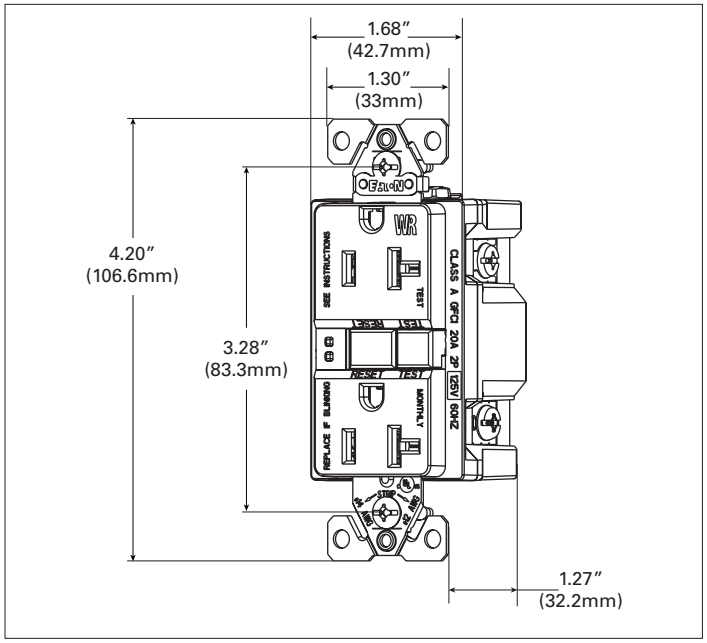


Figure 7. WRSGF20 Line art with dimensions

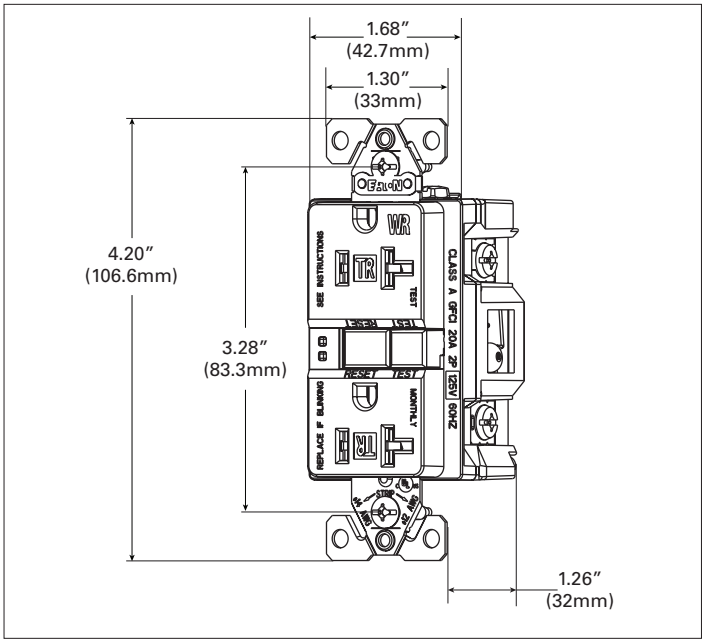


Figure 8. TWRSGF20 Line art with dimensions

Arrow Hart specification grade GFCI receptacles

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

Certifications & compliances

Catalog no.	cULus	NAFTA	NOM	Arrowlink	Build-To-Spec
SGF15	•		•	•	•
SGF15-M	•		•		
SGF15F	•	•	•	•	•
TRSGF15	•		•	•	•
TRSGF15-M	•		•		
TRSGF15F	•	•	•	•	•
WRSGF15	•		•	•	•
TWRSGF15	•		•	•	•
SGF15W-LSBU	•		•	•	•
SGF20	•		•	•	•
SGF20F	•	•	•	•	•
TRSGF20	•		•	•	•
TRSGF20F	•	•	•	•	•
WRSGF20	•		•	•	•
TWRSGF20	•	•	•	•	

KEY: cULus NAFTA NOM Arrowlink Build-To-Spec ROHS

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

Build-To-Spec Customizable Devices

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