Arrow Hart NAFTA specification grade GFCI receptacles

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

SGFH15F

SGFH20F_MOD

TRSGFH15F

Description

2-pole, 3-wire grounding
15A, 125V/AC
20A, 125V/AC
NEMA 5-15, 5-20

5-15R 5-20R **TR TAMPER RESISTANT**

Design features

• Meets and exceeds 10ka short circuit testing and Underwriters Laboratories (UL) UL943 safety standards

• Ground termination with backwire clamp provides secure wiring and reduces installation time

• Tapered backwire openings handle multiple wire sizes and types for applications up to #10 AWG solid or standard wire

• When downstream receptacles are wired from load side, a 20A feed-through rating offers full protection

• Hospital grade models UL Listed, fully compliant with all latest UL943 Class A GFCI and UL498 hospital grade requirements

• Tamper resistant models comply with 2014 NEC Article 406.12

• Lock-out functionality prevents miswired line-load connections and GFCI circuitry damage

• Visual indicator light provides quick visual reference of a tripped or "end of life" condition

• Matching standard size thermoplastic wallplate included

• Provides compliance with 2014 NEC Article 406.9 that states that all receptacles installed in wet and damp locations must be weather resistant

Table 1. Hospital grade NAFTA compliant GFCIs

Catalog no.	Description	Rating A	V/AC	NEMA	Color suffix
☐ SGFH15F___	Hospital GFCI NAFTA compliant	15	125	5-15R	B, GY, LA, RD, V, W
☐ TRSGFH15F___	Tamper resistant hospital GFCI NAFTA compliant	15	125	5-15R	B, GY, LA, RD, V, W
☐ SGFH20F___	Hospital GFCI NAFTA compliant	20	125	5-20R	B, GY, LA, RD, V, W
☐ TRSGFH20F___	Tamper resistant hospital GFCI NAFTA compliant	20	125	5-20R	B, GY, LA, RD, V, W

Includes standard size unbreakable wallplate

Table 2. Specification grade NAFTA compliant GFCIs

Catalog no.	Description	Rating A	V/AC	NEMA	Color suffix
☐ SGF15F___	Duplex GFCI NAFTA compliant	15	125	5-15R	B, BK, GY, LA, RD, V, W
☐ TRSGF15F___	Tamper resistant duplex GFCI NAFTA compliant	15	125	5-15R	B, BK, GY, LA, RD, V, W
☐ SGF20F___	Duplex GFCI NAFTA compliant	20	125	5-20R	B, BK, GY, LA, RD, V, W
☐ TRSGF20F___	Tamper resistant duplex GFCI NAFTA compliant	20	125	5-20R	B, BK, GY, LA, RD, V, W

Includes standard size unbreakable wallplate
Consult factory customer service representative for additional packaging options

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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.

Table 3. Specifications

Catalog no.	SGFH__F series	GFCI 15A & 20A: TRSGFH__F series	SGF__F series	TRSGF__F series
Device type	Hospital grade NAFTA compliant duplex GFCI 15A & 20A	Hospital grade tamper resistant NAFTA compliant duplex	Specification grade NAFTA compliant duplex GFCI	Specification grade tamper resistant NAFTA compliant duplex GFCI 15A & 20A
Wiring type	Back & side wire	Back & side wire	Back & side wire	Back & side wire
Testing & code compliance	• cULus Listed to UL 498 and UL 943, file no. E60120	• cULus Listed to UL 498 and UL 943, file no. E60120	• cULus Listed to UL 498 and UL 943, file no. E60120	• cULus Listed to UL 498 and UL 943, file no. E60120
	• Meets all UL 943 (GFCI), UL 498 (receptacles), UL 498 hospital grade and applicable CSA requirements	• Meets all UL 943 (GFCI), UL 498 (receptacles), UL 498 hospital grade and applicable CSA requirements	• Meets all UL 943 (GFCI), UL 498 (receptacles) and applicable CSA requirements	• Meets all UL 943 (GFCI), UL 498 (receptacles) and applicable CSA requirements
	• NOM certified	• NOM certified	• NOM certified	• 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)	**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	**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	**Terminal accommodation:** #14 - 10 AWG **Voltage ratings:** Permanently marked on device	**Terminal accommodation:** #14 - 10 AWG **Voltage ratings:** Permanently marked on device

Table 4. Materials

Catalog no.	SGFH__F series	GFCI 15A & 20A: TRSGFH__F series	SGF__F series	TRSGF__F series
Top housing	Thermoplastic, nylon	Thermoplastic, nylon	Thermoplastic, polypropylene	Thermoplastic, polypropylene; except WR: nylon 6/6
Bottom housing	Polycarbonate	Polycarbonate	PVC	PVC
Strap	0.047″ thick steel, zinc-plated	0.047″ thick steel, zinc-plated	0.047″ thick steel, zinc-plated	0.047″ thick steel, zinc-plated; WR & TWR: nickel-plated
Line contacts	0.030″ thick brass	0.030″ thick brass	0.030″ thick brass	0.030″ thick brass
Terminal & ground screws	#8-32 steel, brass-plated; neutral screw nickel-plated, ground screw green	#8-32 steel, brass-plated; neutral screw nickel-plated, ground screw green	#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	0.070″ thick steel	0.070″ thick steel	0.070″ thick steel

Table 5. Color ordering information

For ordering devices, include Cat. no. followed by the color code: B (Brown), BK (Black), GY (Gray), LA (Light Almond), RD (Red), V (Ivory), W (White)

B	BK	GY	LA	RD	V	W
Brown	Black	Gray	Lt. Almond	Red	Ivory	White

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

Table 6. GFCI status indicator

| Test indicator RED LED	Test 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 <u>not</u> 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 OR device is in reset state	Manually depress TEST button to trip device. **Amber** light should come ON • If **Amber** light does <u>not</u> 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 OR 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

Product dimensions
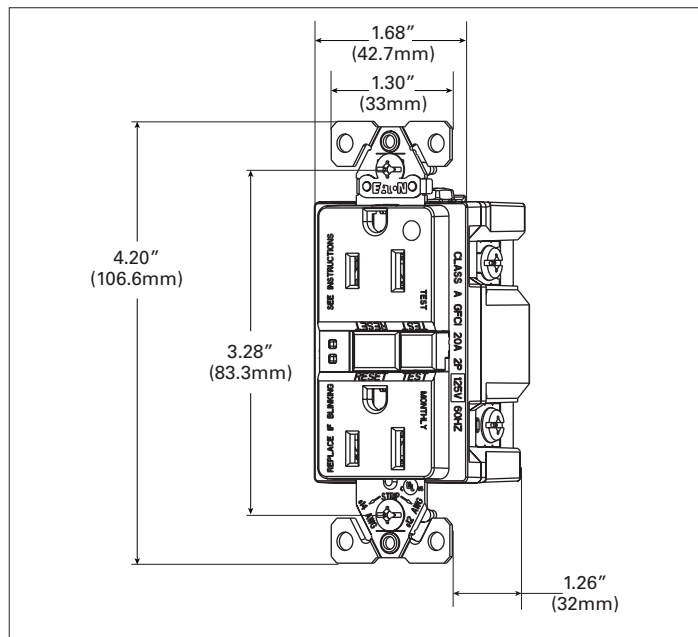
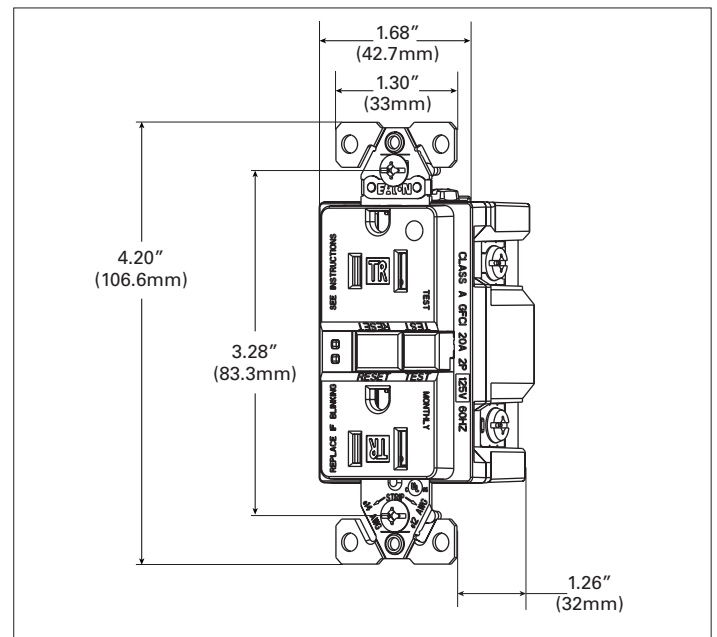Figure 1. SGFH15F Line art with dimensions

Figure 2. TRSGFH15F Line art with dimensions

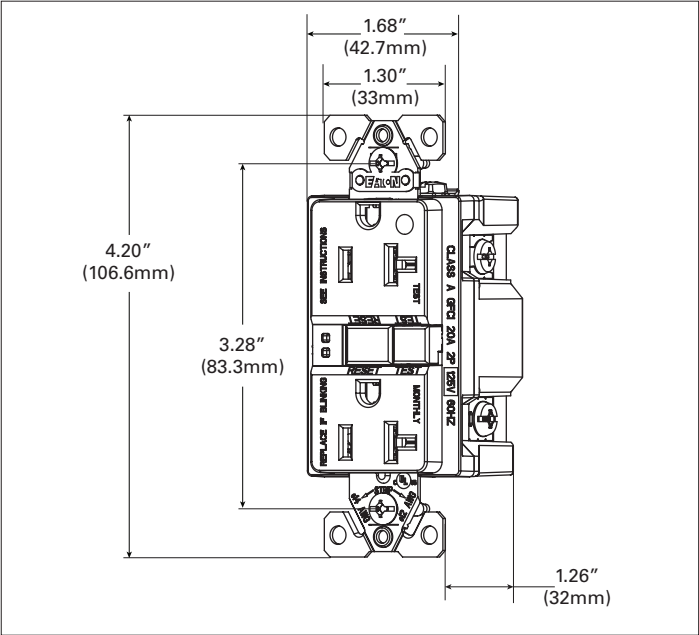| Project Name:	Prepared By:
Project Number:	Date:
Catalog Number:	Type:

Product dimensions

Figure 3. SGFH20F Line art with dimensions

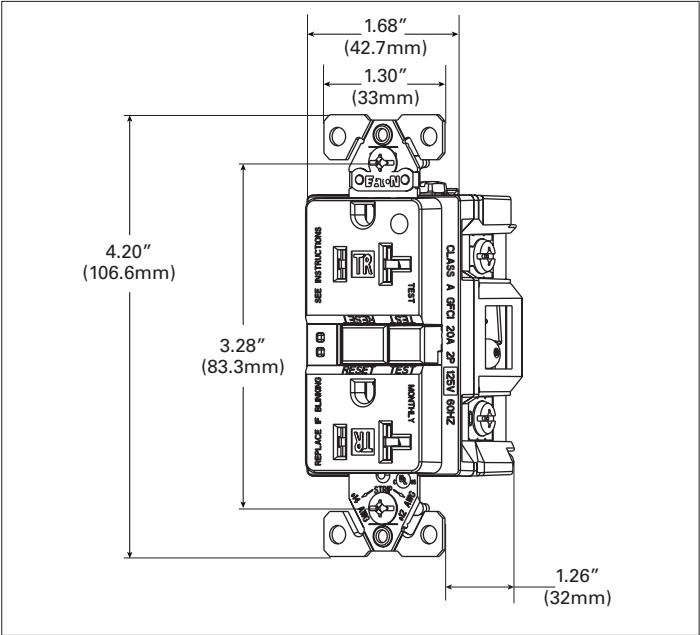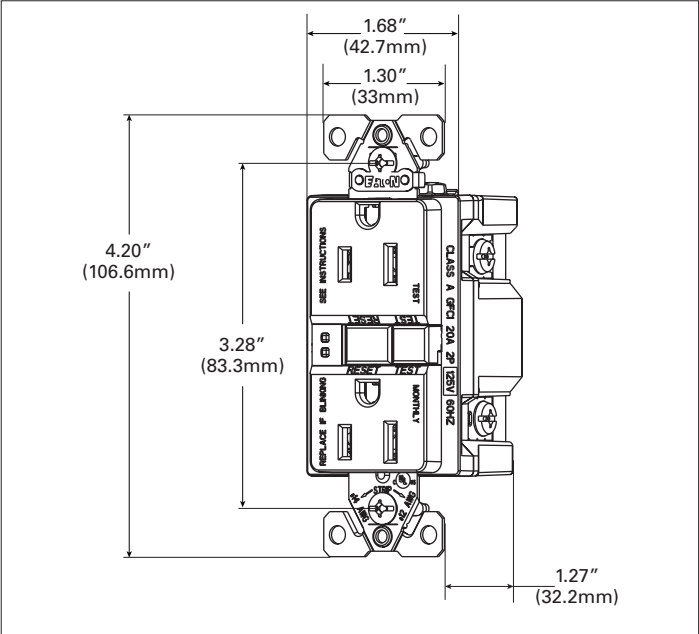**Figure 4. TRSGFH20F Line art with dimensions**

Figure 5. SGF15F Line art with dimensions

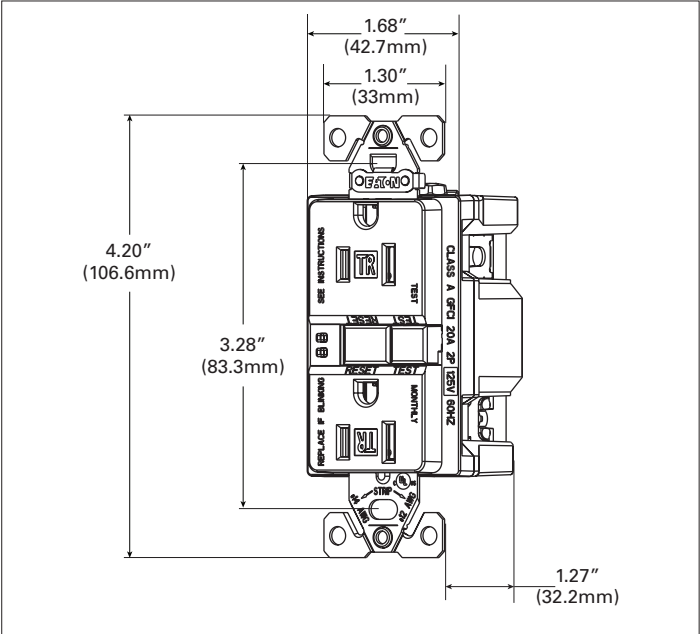**Figure 6. TRSGF15F Line art with dimensions**

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

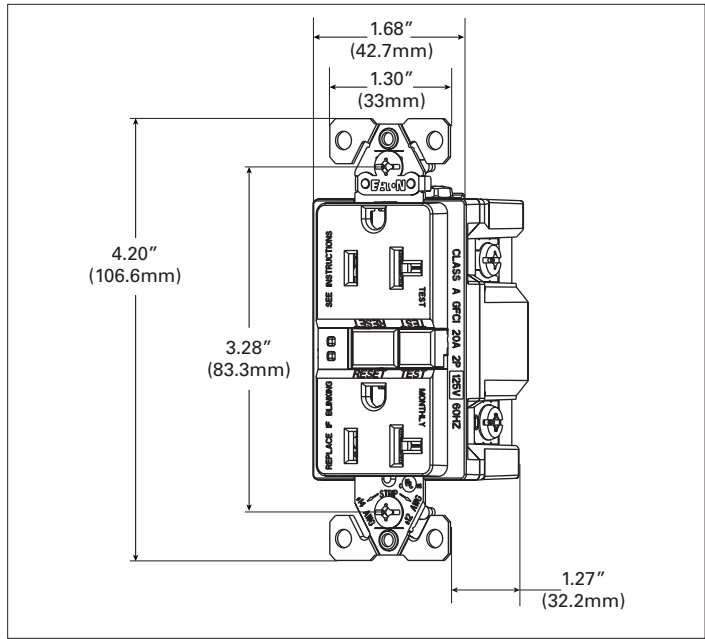| Project Name:	Prepared By:
Project Number:	Date:
Catalog Number:	Type:

Product dimensions
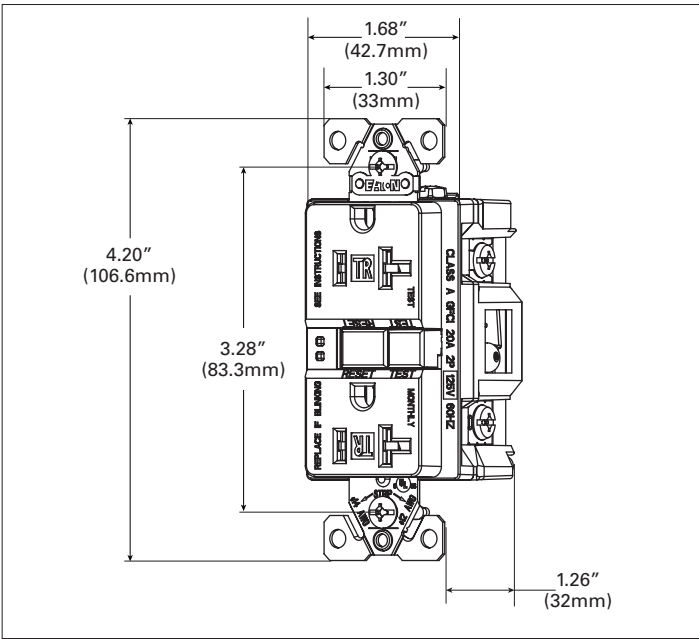

Figure 7. SGF20F Line art with dimensions

Figure 8. TRSGF20F Line art with dimensions

Certifications & compliances

Catalog no.	cULus	NAFTA	NOM 426	Arrowlink	Build-To-Spec
SGFH15F	•	•	•	•	•
TRSGFH15F	•	•	•	•	•
SGFH20F	•	•	•	•	•
TRSGFH20F	•	•	•	•	•
SGF15F	•	•	•	•	•
TRSGF15F	•	•	•	•	•
SGF20F	•	•	•	•	•
TRSGF20F	•	•	•	•	•

KEY: cULus   NAFTA   NOM

Arrowlink   Build-To-Spec

Build-To-Spec Customizable Devices

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