

PERFORMANCE SERIES

Marine-Grade Push Button Switches

PF19D / PF22D · 19mm & 22mm · IP67 Waterproof

MOUNT DIAMETER	VOLTAGE RATING	MAX CURRENT
19 – 22 mm	12 / 24 VDC	5 / 10 / 20 A
IP RATING	**MECHANICAL LIFE**	**LED LIFE**
IP67	> 100,000 cycles	40,000 hours

By NorTide Marine

OVERVIEW

Product Family

The Performance Series covers every push-button switching need on board of a boat, or in the interior of a RV — from a simple heavy-duty on/off switch to multi-channel dual-load controllers with customisable indicator LEDs. All models share a 19mm or 22mm mounting thread, an IP67-rated waterproof housing, and a choice of 316 stainless steel or black anodised aluminium bodies. The comparison below is a quick guide to the family; detailed specifications for each model follow on the pages after.

Item No.	Function	1st Press	2nd Press	3rd Press	Switch Rating	Feature
PF19xx-10 **PF22xx-10**	OFF-ON	ON	OFF	ON	20A, 12V/24V DC	Standard switch
PF19xx -20 **PF22xx -20**	OFF-ON	ON	OFF	ON	20A, 12V/24V DC	Label symbol
PF19xx -30 **PF22xx -30**	OFF-ON	ON	OFF	ON	20A, 12V/24V DC	Overload protection
PF19xx -40 **PF22xx -40**	OFF-ON	ON	OFF	ON	5/10/15/20A, 250VAC DC	Overload protection
PF19xx -50 **PF22xx -50**	OFF-ON	ON	OFF	ON	20A, 12VDC	Bi-color LED
PF19xx -60 **PF22xx -60**	OFF-ON-ON	Load1 ON / Load2 OFF	Load1 OFF / Load2 ON	ALL OFF	10A (5A/load), 12VDC	Two channel
PF19xx-70	OFF-ON-ON (	Load1 ON / Load2	Load1 OFF / Load2 ON	ALL OFF	10A (5A/load), 12VDC	Two channel (NAV-ANC)

			
Anodised Aluminum	Backlit symbol Sticker	Stainless Steel 316L	CNC Milled Symbol

PF19SS-10 / PF22SS-10

Standard heavy-duty push button switch

STANDARD SWITCH

Heavy-Duty On/Off Switching

The entry point of the Performance Series: a simple, rugged on/off push button built for continuous marine and industrial use. Available in 19mm and 22mm mounting sizes with momentary or latching operation.

- Heavy-duty 20A switch
- Momentary or latching operation
- 316 stainless steel Body and actuator
- Flame-retardant harness, 80cm leads (customisable length)



Specifications

Item No.	PF19SS-10
Hole size	19mm (3/4″) / 22mm (7/8″)
Operation	Momentary (-M) or Latching (-L)
Switch rating	20A / 250VAC DC
Body material	316 stainless steel or black anodised aluminium
LED type	Ring, power, marine-logo series, special sticker — customisable
LED voltage	3V, 6V, 12V, 24V, Custom
LED color	Blue, Red, Green, White, Orange, Yellow
LED life	More than 40,000 hours
Harness material	Flame-retardant material
Wire size & color	22AWG LED power (red & black) · 16AWG switch NO-NO (blue)
Wire length	≈ 80cm, customisable

PF19AN-10 / PF22AN-10

Standard heavy-duty push button switch

STANDARD SWITCH

Heavy-Duty On/Off Switching

The entry point of the Performance Series: a simple, rugged on/off push button built for continuous marine and industrial use. Available in 19mm and 22mm mounting sizes with momentary or latching operation.



- Heavy-duty 20A switch
- Momentary or latching operation
- Anodised aluminum steel Body and actuator
- Flame-retardant harness, 80cm leads (customisable length)

Specifications

Item No.	PF19SS-10
Hole size	19mm (3/4″) / 22mm (7/8″)
Operation	Momentary (-M) or Latching (-L)
Switch rating	20A / 250VAC DC
Body material	316 stainless steel or black anodised aluminium
LED type	Ring, power, marine-logo series, special sticker — customisable
LED voltage	3V, 6V, 12V, 24V, Custom
LED color	Blue, Red, Green, White, Orange, Yellow
LED life	More than 40,000 hours
Harness material	Flame-retardant material
Wire size & color	22AWG LED power (red & black) · 16AWG switch NO-NO (blue)
Wire length	≈ 80cm, customisable

PF19SS-20 / PF22SS-20

Standard heavy-duty push button switch

STANDARD SWITCH

Heavy-Duty On/Off Switching



Labeling your switch has never been easier. No need for handmade stickers with written or printed text, which fall off after 1 season.
The entry point of the Performance Series: a simple, rugged on/off push button built for continuous marine and industrial use. Available in 19mm and 22mm mounting sizes with momentary or latching operation.

- Heavy-duty 20A switch
- Momentary or latching operation
- Stainless Steel 316
- Flame-retardant harness, 80cm leads (customisable length)

Specifications

Item No.	PF19SS-20 / PF22SS-20
Hole size	19mm (3/4″) / 22mm (7/8″)
Operation	Momentary (-M) or Latching (-L)
Switch rating	20A
Body material	316 stainless steel
LED type	Label sticker backlight
LED voltage	3V, 6V, 12V, 24V, Custom
LED color	Blue, Red, Green, White, Orange, Yellow
LED life	More than 40,000 hours
Harness material	Flame-retardant material
Wire size & color	22AWG LED power (red & black) · 16AWG switch NO-NO (blue)
Wire length	≈ 80cm, customisable

PF19AN-20 / PF22AN-20

Standard heavy-duty push button switch

STANDARD SWITCH

Heavy-Duty On/Off Switching



Labeling your switch has never been easier. No need for handmade stickers with written or printed text, which fall off after 1 season.
The entry point of the Performance Series: a simple, rugged on/off push button built for continuous marine and industrial use. Available in 19mm and 22mm mounting sizes with momentary or latching operation.

- Heavy-duty 20A switch
- Momentary or latching operation
- Anodised Aluminum
- Flame-retardant harness, 80cm leads (customisable length)

Specifications

Item No.	PF19AN-20 / PF22AN-20
Hole size	19mm (3/4″) / 22mm (7/8″)
Operation	Momentary (-M) or Latching (-L)
Switch rating	20A
Body material	316 stainless steel
LED type	Label sticker backlight
LED voltage	3V, 6V, 12V, 24V, Custom
LED color	Blue, Red, Green, White, Orange, Yellow
LED life	More than 40,000 hours
Harness material	Flame-retardant material
Wire size & color	22AWG LED power (red & black) · 16AWG switch NO-NO (blue)
Wire length	≈ 80cm, customisable

PF19SS-30 / PF22SS-30

Overload-protection push button switch

OVERLOAD PROTECTION

Built-In Thermal Circuit Breaker

This variant adds an integrated thermal circuit breaker rated to the exact load, protecting the circuit automatically if it is overloaded — a simple safeguard for pumps, winches, and other high-draw equipment.



- Push button with integrated thermal circuit breaker
- Overload protection at 5A / 10A / 15A / 20A
- Waterproof applications — IP67
- Stainless steel 316
- Integrated cables

Specifications

Spec	5A	10A	15A	20A
Item No.	PF19SS-30/5A	PF19 SS -30/10A	PF19 SS -30/15A	PF19 SS -30/20A
Switch rating	5A, 250VACDC	10A, 250VACDC	15A, 250VACDC	20A, 250VACDC
Base color	Orange	Red	Blue	Yellow
Hole size	19/22mm	19/22mm	19/22mm	19/22mm

Body material	316 stainless steel (SS)
Base materiaal	PBT
Circuit breaker type	Thermal
Circuit breaker reset	Automatic
LED type	Ring, power, milled symbol, label sticker— customisable
LED voltage	12V, 24V
LED color	Red, blue, green, yellow, white, bi-color
LED life	More than 40,000 hours
Wire — Switch NO	16AWG brown wire (fuse) · 14AWG red wire
Wire — LED +/−	22AWG red wire (+) · 22AWG black wire (−)

PF19AN-30 / PF22AN-30

Overload-protection push button switch

OVERLOAD PROTECTION

Built-In Thermal Circuit Breaker

This variant adds an integrated thermal circuit breaker rated to the exact load, protecting the circuit automatically if it is overloaded — a simple safeguard for pumps, winches, and other high-draw equipment.



- Push button with integrated thermal circuit breaker
- Overload protection at 5A / 10A / 15A / 20A
- Waterproof applications — IP67
- Anodised black
- Integrated cables

Specifications

Spec	5A	10A	15A	20A
Item No.	PF19AN-20/5A	PF19AN -20/10A	PF19 N -20/15A	PF19AN -20/20A
Switch rating	5A, 250VACDC	10A, 250VACDC	15A, 250VACDC	20A, 250VACDC
Base color	Orange	Red	Blue	Yellow
Hole size	19/22mm	19/22mm	19/22mm	19/22mm

Body material	Anodised aluminum (black or custom color)
Base materiaal	PBT
Circuit breaker type	Thermal
Circuit breaker reset	Automatic
LED type	Ring, milled symbol, label sticker— customisable
LED voltage	12V, 24V
LED color	Red, blue, green, yellow, white, bi-color
LED life	More than 40,000 hours
Wire — Switch NO	16AWG brown wire (fuse) · 14AWG red wire
Wire — LED +/−	22AWG red wire (+) · 22AWG black wire (−)

PF19SS-40 / PF22SS-40

Dual-color LED push button switch (Stainless Steel 316 / Silver)

BI-COLOR LED

Two Colors, One Ring

A single LED ring that switches color to show circuit state at a glance — ideal wherever a crew member needs an instant visual read of whether a system is live.

- Dual LED (bi-color) push button
- Heavy duty electrical contacts — 20A
- IP67 waterproof / dustproof
- For every condition — SS316 or anodised black
- Unique harness and waterproof seal



Specifications

Item No.	PF19D-20 · PF22D-20
Hole size	19mm (3/4″) / 22mm (7/8″)
Operation	Latching or momentary
Switch rating	20A / 12VAC DC
Material	Stainless Steel 316
LED type	LED RING, CNC milled symbol, label symbol sticker
LED voltage	12V DC only
LED color	Bi-color: green & blue, red & blue, red & green, etc. (customisable)
LED life	More than 40,000 hours
Wire — red (14AWG)	Input +
Wire — blue (14AWG)	Output +
Wire — black (18AWG)	Negative -
Wire — green (18AWG)	Input +, controls LED on/off when switch is OFF

LED State – Example

State	Switch state	LED
Non press	OFF	Red
1st press	ON	Blue
2nd press	OFF	Red

PF19AN-40 / PF22AN-40

Dual-color LED push button switch (Anodised aluminum)

BI-COLOR LED

Two Colors, One Ring

A single LED ring that switches color to show circuit state at a glance — ideal wherever a crew member needs an instant visual read of whether a system is live.



- Dual LED (bi-color) push button
- Heavy duty electrical contacts — 20A
- IP67 waterproof / dustproof
- For every condition — SS316 or anodised black
- Unique harness and waterproof seal

Specifications

Item No.	PF19AN-20 · PF22AN-20
Hole size	19mm (3/4″) / 22mm (7/8″)
Operation	Latching or momentary
Switch rating	20A / 12VAC DC
Material	Anodised Aluminum (Black or customized color)
LED type	LED RING, CNC milled symbol, label symbol sticker
LED voltage	12V DC only
LED color	Bi-color: green & blue, red & blue, red & green, etc. (customisable)
LED life	More than 40,000 hours
Wire — red (14AWG)	Input +
Wire — blue (14AWG)	Output +
Wire — black (18AWG)	Negative -
Wire — green (18AWG)	Input +, controls LED on/off when switch is OFF

LED State – Example

State	Switch state	LED
Non press	OFF	Red
1st press	ON	Blue
2nd press	OFF	Red

PF19SS-50

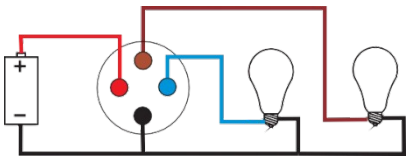
Two-channel dual-output push button switch (Stainless Steel 316 / silver)

A single 19mm or 22mm push button that sequentially drives two independent 5A loads — ideal for cycling between navigation lights, pumps, or any two circuits from one waterproof switch.

Specifications

Item No.	PF19SS-40 · PF22SS-40
Hole size	19mm (3/4″) / 22mm (7/8″)
Operation	1st press: Load 1 ON, Load 2 OFF · 2nd press: Load 2 ON, Load 1 OFF · 3rd press: both OFF
Switch rating	10A / 12VAC DC, 5A per channel
Material	Stainless Steel 316
LED type	Ring, power, marine-logo series, all-transparent — customisable
LED voltage	12V DC
LED color	Red & blue (other bi-/tri-color customisable)
LED life	More than 40,000 hours
Wire — red (16AWG)	Input “+”
Wire — black (16AWG)	Negative “–”
Wire — blue (16AWG)	Channel 1 output “+”
Wire — brown (16AWG)	Channel 2 output “+”

State	Load 1	Load 2	LED
Non press	OFF	OFF	Green
1st press	ON	OFF	Red
2nd press	OFF	ON	Blue
3rd press	OFF	OFF	Green



State	Load 1	Load 2	LED
Non press	OFF	OFF	Green
1st press	ON	OFF	Red
2nd press	ON	ON	Blue
3rd press	OFF	OFF	Green

**LED Colors can be customized*

PF19AN-50

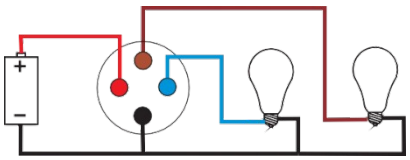
Two-channel dual-output push button switch (Anodised aluminum)

A single 19mm or 22mm push button that sequentially drives two independent 5A loads — ideal for cycling between navigation lights, pumps, or any two circuits from one waterproof switch.

Specifications

Item No.	PF19AN-40 · PF22AN-40
Hole size	19mm (3/4″) / 22mm (7/8″)
Operation	1st press: Load 1 ON, Load 2 OFF · 2nd press: Load 2 ON, Load 1 OFF · 3rd press: both OFF
Switch rating	10A / 12VAC DC, 5A per channel
Material	Anodised Aluminum
LED type	Ring, power, marine-logo series, all-transparent — customisable
LED voltage	12V DC
LED color	Red & blue (other bi-/tri-color customisable)
LED life	More than 40,000 hours
Wire — red (16AWG)	Input “+”
Wire — black (16AWG)	Negative “–”
Wire — blue (16AWG)	Channel 1 output “+”
Wire — brown (16AWG)	Channel 2 output “+”

State	Load 1	Load 2	LED (GRB)
Non press	OFF	OFF	Green
1st press	ON	OFF	Red
2nd press	OFF	ON	Blue
3rd press	OFF	OFF	Green



State	Load 1	Load 2	LED (GRB)
Non press	OFF	OFF	Green
1st press	ON	OFF	Red
2nd press	ON	ON	Blue
3rd press	OFF	OFF	Green

PF19SS-60

Touch Dimmer button (Stainless Steel 316)

- ▸ Capacitive touch operation — no moving contacts
- ▸ Two selectable modes: segmented dimmer, stepless dimmer
- ▸ PWM controlled output
- ▸ Chrome-plated brass body with stainless steel touch surface
- ▸ Panel thickness 1 – 14mm



Specifications

Parameter	Specification
Model	PF19SS-50
Mount Hole Size	19 mm
Switch Combination	1NO
Contact Resistance	≤ 50 mΩ
Insulation Resistance	≤ 50 mΩ
Insulating Strength	≥ 1000 mΩ
Working Temperature	-20℃ ~ 55℃
Mechanical Life	≥ 1,000,000 cycles
Electrical Life	≥ 200,000 cycles
Panel Thickness	1 – 14 mm
Operating Stroke	≤ 0.5 mm
Button Material	Stainless steel
Body Material	Chrome plated brass
Base Material	Plastic
LED Color	OFF: Grey · ON: Blue
LED Life	≥ 40,000 hours

PF19AN-60

Touch Dimmer button (Stainless Steel 316)

- ▸ Capacitive touch operation — no moving contacts
- ▸ Two selectable modes: segmented dimmer, stepless dimmer
- ▸ PWM controlled output
- ▸ Anodised aluminum
- ▸ Panel thickness 1 – 14mm



Specifications

Parameter	Specification
Model	PF19AN-50
Mount Hole Size	19 mm
Switch Combination	1NO
Contact Resistance	≤ 50 mΩ
Insulation Resistance	≤ 50 mΩ
Insulating Strength	≥ 1000 mΩ
Working Temperature	-20℃ ~ 55℃
Mechanical Life	≥ 1,000,000 cycles
Electrical Life	≥ 200,000 cycles
Panel Thickness	1 – 14 mm
Operating Stroke	≤ 0.5 mm
Button Material	Stainless steel
Body Material	Chrome plated brass
Base Material	Plastic
LED Color	OFF: Grey ・ ON: Blue
LED Life	≥ 40,000 hours

PF19SS-70 / PF22SS-70

Standard duty push button switch

STANDARD SWITCH

Standard Duty On/Off Switching

The entry point of the Performance Series: a simple, rugged on/off push button built for continuous marine and industrial use. Available in 19mm and 22mm mounting sizes with momentary or latching operation.

- Standard duty 5A switch
- Momentary or latching operation
- Stainless Steel 316
- Best suited for small loads and Industrial or Marine PLC applications
- Flame-retardant harness, 80cm leads (customisable length)

Specifications

Item No.	PF19SS-60
Hole size	19mm (3/4″) / 22mm (7/8″)
Operation	Momentary (-M) or Latching (-L)
Switch rating	5A
Contact configuration	1x NO + 1x NC | 2x NO + 2x NC
Body material	316 stainless steel or black anodised aluminium
LED type	LED Ring, LED Dot customisable
LED voltage	3V, 6V, 12V, 24V, Custom
LED color	Blue, Red, Green, White, Orange, Yellow, Double LED,
LED life	More than 40,000 hours
Harness Available?	Yes
Harness material	Flame-retardant material
Wire size & color	22AWG LED power (red & black) · 16AWG switch NO-NO (blue)
Wire length	≈ 80cm, customisable

PF19AN-70 / PF22AN-70

Standard duty push button switch

STANDARD SWITCH

Standard Duty On/Off Switching

The entry point of the Performance Series: a simple, rugged on/off push button built for continuous marine and industrial use. Available in 19mm and 22mm mounting sizes with momentary or latching operation.

- Standard duty 5A switch
- Momentary or latching operation
- Stainless Steel 316
- Best suited for Industrial or Marine PLC applications
- Flame-retardant harness, 80cm leads (customisable length)

Specifications

Item No.	PF19AN-60
Hole size	19mm (3/4″) / 22mm (7/8″)
Operation	Momentary (-M) or Latching (-L)
Switch rating	5A
Contact configuration	1x NO + 1x NC | 2x NO + 2x NC
Body material	316 stainless steel or black anodised aluminium
LED type	LED Ring, LED Dot customisable
LED voltage	3V, 6V, 12V, 24V, Custom
LED color	Blue, Red, Green, White, Orange, Yellow, Double LED,
LED life	More than 40,000 hours
Harness Available?	Yes
Harness material	Flame-retardant material
Wire size & color	22AWG LED power (red & black) · 16AWG switch NO-NO (blue)
Wire length	≈ 80cm, customisable

PF22SS-80 / PF22AN-80

Piezo electric switch

Piezo Electric switch

Piezo Electric button for industrial and PLC applications

The entry point of the Performance Series: a simple, rugged on/off push button built for continuous marine and industrial use. Available in 19mm and 22mm mounting sizes with momentary or latching operation.

- IP68 Waterproof (IEC529)
- Momentary or latching operation
- Stainless Steel 316 or Anodised aluminum
- Best suited for Industrial or Marine PLC applications
- Flame-retardant harness, 80cm leads (customisable length)



Specifications

Item No.	PF22SS-80 or PF22AN-80
Hole size	22mm (3/4″)
Operation	Momentary (-M) or Latching (-L)
Switch rating	<200mA
Contact configuration	1x NO or 2x NO
Body material	316 stainless steel or black anodised aluminium
LED type	LED Ring
LED voltage	3V, 6V, 12V, 24V, Custom
LED color	Blue, Red, Green, White, Dual LED, RGB, Common Anode or Common Cathode
Operating life	More than 500.000 times
Operating Pressure	3-8N
Harness material	Flame-retardant material
Wire size & color	22AWG LED power (red & black) · 22 AWG switch NO-NO (Grey)
Wire length	≈ 80cm, customisable
Beveled edge	

PF25SS-80 / PF25SS-80

Piezo electric switch

Piezo Electric switch

Piezo Electric button for industrial and PLC applications

The entry point of the Performance Series: a simple, rugged on/off push button built for continuous marine and industrial use. Available in 19mm and 22mm mounting sizes with momentary or latching operation.

- IP68 Waterproof (IEC529)
- Momentary or latching operation
- Stainless Steel 316 or Anodised aluminum
- Best suited for Industrial or Marine PLC applications
- Flame-retardant harness, 80cm leads (customisable length)



Specifications

Item No.	PF25SS-80 or PF25AN-80
Hole size	25mm (3/4″)
Operation	Momentary (-M) or Latching (-L)
Switch rating	<200mA
Contact configuration	1x NO or 2x NO
Body material	316 stainless steel or black anodised aluminium
LED type	LED Ring
LED voltage	3V, 6V, 12V, 24V, Custom
LED color	Blue, Red, Green, White, Dual LED, RGB, Common Anode or Common Cathode
Operating life	More than 500.000 times
Operating Pressure	3-8N
Harness material	Flame-retardant material
Wire size & color	22AWG LED power (red & black) · 22 AWG switch NO-NO (Grey)
Wire length	≈ 80cm, customisable

PF19SS-90

12V or 24V buzzer alarm

BUZZER ALARM

Audible Warning, LED Indicator

- 12V or 24V buzzer with LED indicator
- IP50 rated
- 304L stainless steel body
- Special harness and waterproof rings
- Embedded cable (60cm length)
- LED color: red
- Max. panel thickness: 1 – 8mm



Item No.	PF19D-70-M
Hole size	19mm (3/4″)
Operation	Intermittent beep (80dB)
Current rating	< 3A
Body material	304 stainless steel
LED color	Red
LED life	More than 40,000 hours