

# Foot Switches & Accessories







- Single & Multi-Pedal Foot Switches
  Metal & Plastic Simple Action
  - Bi-stable / Two Stage / Safety
    - Miniature Foot Switches
      - Accessories









#### **F series Foot Switches**

ITC presents a complete line of foot switches from Bernstein, designed to respond to the most stringent requirements for machine control and safety applications.

The F series includes simple action switches, models with a safety blocking device, bistable (push-push), two-stage, analog output, in 1, 2 or 3 pedal configuration.

F series foot switches can be optioned with a fixed or hinged guard, and E-stops for manual reset. Special models include Hazardous Locations rated switches etc....

#### Features and specifications:

- Materials Body and Guard: heavy duty die-cast aluminum
- Materials Pedal: Polyamide
- Guard: protection from falling objects 20kg from a height of 1m top and
- Colour: Standard colour is red/black. Other colours are available upon request.
- Approvals: CSA, cCSAus



#### F Foot Switches - Technical Information

| Mechanical Characteristics             |   |
|--|---|
| Ambient temperature                    | -30 to 80°C   |
| Storage temperature                    | -30 to 80°C   |
| Mechanical life (number of operations) | >1 x 10 <sup>6</sup>  |
| Switching frequency                    | 50/minute   |
| Connection type                        | Screw connection Φ 3.5mm  |
| Conductor size (solid wire)            | 0.5-1.5 mm2* (20-16AWG)   |
| Cable entry gland                      | M20x1.5   |
| Ingress protection                     | Standard is IP65. IP67 protection is available on most single and two pedal versions. |
| Weight without guard                   | 1 sw~0.6 kg / 2sw~1.7kg / 3sw~3.0 kg  |
| Weight with guard                      | 1 sw~1.5 kg / 2sw~2.6kg / 3sw~5.4 kg  |
| Material - enclosure and guard         | Die-cast aluminum, powder-coated  |
| Material - pedal                       | Thermoplastic   |

<sup>\*</sup> For stranded wire, use of a ferrule is recommended Information subject to change without notice

| Electrical Characteristics  |   |
|-----------------------------|---|
| Rated voltage/current (CSA) | 300VAC 25A - 2HP or 250VAC 20A - 1HP (as indicated in tables) |
| Rated impulse withstand     | 4 kV  |
| Rated thermal current (IEC) | 10A   |
| Class of utilization        | AC-15 (240V / 3A)   |
| Contact type                | Positive opening (IEC 60947-5-1)                              |
| Protection class            | I   |
| Certification               | CSA 018950  |

Note: The information above is generic to the standard foot switch line Please refer to individual technical data sheets for exact product information Information subject to change without notice





#### **Simple Action Foot Switches**

Simple action foot switches feature spring return operation.

- Single, double or triple-switch versions available
- Slow-action or snap-action contacts available
- Contacts: 1NO+1NC or 2NO+2NC per pedal



#### Simple-Action Foot Switches (Order by Part No.)

| Part No.             | Article No.    | Description                             | Guard | Contacts<br>(each pedal) |
|----------------------|----------------|---|-------|--------------------------|
| F1-SU1Z              | BE606.1300.011 | Single switch, spring return            | No    | 1NO+1NC snap             |
| F1-SU2Z              | BE606.1400.061 | Single switch, spring return            | No    | 2NO+2NC snap             |
| F1-U1Z               | BE606.1100.005 | Single switch, spring return            | No    | 1NO+1NC slow             |
| F1-U1Z-IP67          | BE616.1100.251 | Single switch, spring return (IP67)     | No    | 1NO+1NC slow             |
| F1-U2Z               | BE606.1200.003 | Single switch, spring return            | No    | 2NO+2NC slow             |
| F2-SU1Z/SU1Z         | BE606.2330.021 | Double switch, spring return            | No    | 1NO+1NC snap             |
| F2-SU2Z/SU2Z         | BE606.2440.065 | Double switch, spring return            | No    | 2NO+2NC snap             |
| F2-U1Z/U1Z           | BE606.2110.013 | Double switch, spring return            | No    | 1NO+1NC slow             |
| F2-U2Z/U2Z           | BE606.2220.015 | Double switch, spring return            | No    | 2NO+2NC slow             |
| F3-SU2Z/SU2Z/SU2Z    | BE613.3444.577 | Triple switch, spring return            | No    | 2NO+2NC snap             |
| F3-U1Z/U1Z/U1Z       | BE606.3111.025 | Triple switch, spring return            | No    | 1NO+1NC slow             |
| F1-SU1Z UN           | BE606.1800.012 | Single switch, spring return with guard | Yes   | 1NO+1NC snap             |
| F1-SU2Z UN           | BE606.1900.062 | Single switch, spring return with guard | Yes   | 2NO+2NC snap             |
| F1-U1Z UN            | BE606.1600.006 | Single switch, spring return with guard | Yes   | 1NO+1NC slow             |
| F1-U2Z UN            | BE606.1700.004 | Single switch, spring return with guard | Yes   | 2NO+2NC slow             |
| F2-SU1Z/SU1Z UN      | BE606.2830.022 | Double switch, spring return with guard | Yes   | 1NO+1NC snap             |
| F2-SU2Z/SU2Z UN      | BE606.2940.066 | Double switch, spring return with guard | Yes   | 2NO+2NC snap             |
| F2-U1Z/U1Z UN        | BE606.2610.014 | Double switch, spring return with guard | Yes   | 1NO+1NC slow             |
| F2-U2Z/U2Z UN        | BE606.2720.016 | Double switch, spring return with guard | Yes   | 2NO+2NC slow             |
| F3-SU2Z/SU2Z/SU2Z UN | BE616.3444.577 | Triple switch, spring return with guard | Yes   | 2NO+2NC snap             |
| F3-U1Z/U1Z/U1Z UN    | BE606.3611.026 | Triple switch, spring return with guard | Yes   | 1NO+1NC slow             |

Information subject to change without notice

#### **Analog Output Foot Switches**

Analog foot switches have a variable controlled current and voltage output that is directly proportional to the pedal position. A programmable signaling output is additionally activated when a predetermined pedal position is reached.

- The analog output can be delivered in a 0-5V, 0-10V, 0-20mA or 4-20mA
- These foot switches are available in single pedal versions; 2 and 3 pedal versions are also available on
- The Analog Output switches do not have CSA approval

#### Foot Switches with Analog Output (Order by Part No.)

| Part No.     | Article No.    | Description                                 | Guard | Output    |
|--------------|----------------|---|-------|-----------|
| F1-AU0-5     | BE616.1500.723 | Single foot switch, 0-5 V DC analog output  | No    | 0-5 V DC  |
| F1-AU0-10    | BE616.1500.724 | Single foot switch, 0-10 V DC analog output | No    | 0-10 V DC |
| F1-AI0-20    | BE616.1500.725 | Single foot switch, 0-20 mA analog output   | No    | 0-20 mA   |
| F1-Al4-20    | BE616.1500.726 | Single foot switch, 4-20 mA analog output   | No    | 4-20 mA   |
| F1-AU0-5 UN  | BE616.1000.727 | Single foot switch, 0-5 V DC analog output  | Yes   | 0-5 V DC  |
| F1-AU0-10 UN | BE616.1000.728 | Single foot switch, 0-10 V DC analog output | Yes   | 0-10 V DC |
| F1-AI0-20 UN | BE616.1000.729 | Single foot switch, 0-20 mA analog output   | Yes   | 0-20 mA   |
| F1-AI4-20 UN | BE616.1000.730 | Single foot switch, 4-20 mA analog output   | Yes   | 4-20 mA   |

Information subject to change without notice









#### Bi-stable (push-push) Foot Switches

When the pedal is operated, the contacts are actuated and maintained until the pedal is pressed a second time.

- Single or double-switch versions available
- Slow-action or snap-action contacts available
- Contacts: 1NO+1NC or 2NO+2NC per foot switch
- Bi-stable switches are identified by the letter "Y" (see table below)



#### Bi-stable Foot Switches (Order by Part No.)

| Part No.        | Article No.    | Description                              | Guard | Contact Configuration (each pedal)               |
|-----------------|----------------|--|-------|--|
| F1-SU1Y UN      | BE616.1800.247 | Bi-stable (push-push) switch, with guard | Yes   | 1NO+1NC snap                                     |
| F1-A2Y          | BE616.1000.676 | Bi-stable (push-push) switch             | No    | 2NC slow   |
| F1-U1Y          | BE606.1100.001 | Bi-stable (push-push) switch             | No    | 1NO+1NC slow                                     |
| F1-U1Y UN       | BE616.1600.295 | Bi-stable (push-push) switch, with guard | Yes   | 1NO+1NC slow                                     |
| F2-SU1Y/SU2Z UN | BE616.2840.655 | Double switch, bi-stable / spring        | Yes   | L:1NO+1NC snap bi-stable/ R:2NO+2NC snap spring  |
| F2-U1Y/U1Y UN   | BE606.2610.018 | Double bi-stable switch                  | Yes   | L and R: 1NO+1NC slow each                       |
| F2-U1Y/U1Z UN   | BE606.2610.047 | Double switch bi-stable / spring         | No    | L:1NO+1NC slow bi-stable / R:1NO+1NC slow spring |

Information subject to change without notice; L=left pedal / R: right pedal

#### **Two-stage Foot Switches**

Two-stage foot switches are designed so that the first part of the pedal travel actuates the first contact. The pedal then reaches a point where further pressure is required in order to activate the second contact. The force of the pressure point can be adjusted upon request.



- Slow-action or snap-action contacts available
- Two-stage foot switches are identified by the letter "D" (see table below)
- Pressure Point setting: 200N (Newtons)



#### Two-stage Foot Switches (Order by Part No.)

| Part No.           | Article No.    | Description                             | Guard | Contact Configuration (each pedal)  |
|--------------------|----------------|---|-------|---|
| F1-U2ZD            | BE606.1200.007 | Single two stage switch                 | No    | 2NO+2NC slow 2-stage  |
| F1-U2ZD UN         | BE606.1700.008 | Single two stage switch                 | Yes   | 2NO+2NC slow 2-stage  |
| F2-U1Z/U2ZD UN     | BE606.2620.086 | Double switch spring return / two stage | Yes   | L:1NO+1NC slow spring / R:2NO+2NC slow<br>2-stage                           |
| F2-SU1Z/SU2ZD UN   | BE616.2000.418 | Double switch spring return / two stage | Yes   | L:1NO+1NC snap spring / R:2NO+2NC snap 2-stage                              |
| F2-U2ZD/U2ZD       | BE606.2220.019 | Double 2-stage switch                   | No    | L & R: 2NO+2NC slow 2-stage   |
| F2-U2ZD/U2ZD UN    | BE606.2720.020 | Double 2-stage switch                   | Yes   | L & R: 2NO+2NC slow 2-stage   |
| F3-U1Z/U1Z/U2ZD UN | BE606.3612.423 | Triple switch spring/spring/2-stage     | Yes   | L:1NO+1NC slow spring/<br>C: 1NO+1NC slow spring/<br>R:2NO+2NC snap 2-stage |

Information subject to change without notice; L=left pedal / C=centre pedal / R: right pedal





#### Enable three position Foot Switches (operator presence detection)

Enable 3 position foot switches are often used as so-called 'hold-to-run control device' to bring a machine into operation. These are referred to as 'Dead-man's switches'.

For this purpose, the enable foot switches equipped with an intermediate pressure point. When operated to the "pressure point", the 2 "enable" contacts are closed. If the pedal is released, the same contacts are opened. If the pedal is pressed beyond the "pressure point", the same contacts are also opened. An additional alarm contact is closed when the pedal returns to the "zero" position. The optional reset button requires the operator to perform a positive action once the protection device has taken effect.



Single or double switch; available with reset button and guard

Enable foot switches are identified by the letters "ZSD" (see table below)

Pressure Point: 200NRated Current: 5AIP Rating: IP67

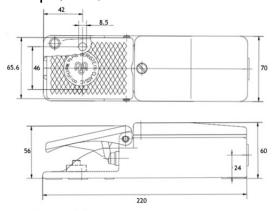
Approvals: cULus: DGUV

#### Hold-to-Run Foot Switches (Order by Part No.)

| Part No.      | Article No.    | Description                            | Guard | Contact Config. (each pedal) |
|---------------|----------------|--|-------|------------------------------|
| F1-ZSD        | BE606.1500.559 | Pressure Point D                       | -     | 1NC+2NO                      |
| F1-ZSD UN     | BE606.1000.558 | Pressure Point D                       | Yes   | 1NC+2NO                      |
| F1-ZSDR       | BE606.1500.567 | Pressure Point D, Reset                | -     | 1NC+2NO                      |
| F1-ZSDR UN    | BE606.1000.560 | Pressure Point D, Reset                | Yes   | 1NC+2NO                      |
| F2-U1Z/ZSD    | BE606.2500.561 | Double switch; Pressure Point D        | -     | L: 1NC+2NO R: 1NC+2NO "D"    |
| F2-U1Z/ZSD UN | BE606.2000.563 | Double switch; Pressure Point D        | Yes   | L: 1NC+2NO R: 1NC+2NO "D"    |
| F2-ZSDR/ZSDR  | BE606.2500.567 | Double switch; Pressure Point D; Reset | -     | L & R: 1NC+2NO "D"           |

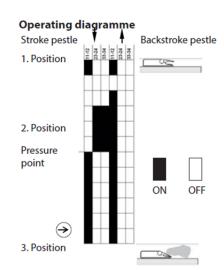
Information subject to change without notice; L=left pedal / R: right pedal

#### Example: F1-ZSD



#### Switching symbol (Three-Step-Safety Switch)

| oreh aniety                 |                            |                                |  |
|-----------------------------|----------------------------|--------------------------------|--|
| 1. position<br>Off-position | 2. position<br>On-position |                                | 3. position<br>Off-position<br>with positive opening |
| 330-1-044                   | 3302 044                   | The pressure point must be     | 330-1-044  |
| 230                         | 2302 024                   | surpassed for the 3rd position | 230-024  |
| 1109 012                    | 110-012                    |                                | 1103 012   |
| •                           | 6                          |                                | è  |







#### Accessories for F Series Foot Switches (Order by Part No.)

| Part No.       | Article No.    | Description   | Details                 |
|----------------|----------------|---|-------------------------|
| F1-UN          | BE390.6010.719 | Replacement guard for single F1 foot switches       | die-cast aluminum - red |
| F2-UN          | BE390.6020.720 | Replacement guard for double F2 foot switches       | die-cast aluminum - red |
| F3-UN          | BE390.6030.721 | Replacement guard for triple F3 foot switches       | die-cast aluminum - red |
| F1-TV          | BE399.6000.229 | Plate with 642mm handle for single F1 foot switches | Base + 642mm rod        |
| F2-TV          | BE399.6000.230 | Plate with 615mm handle for double F2 foot switches | Base + 615mm rod        |
| F-ST-EINS. 25N | BE391.6001.320 | Replacement plunger for F foot switches             |                         |
| BE391.6001.254 |                | Replacement pressure point for F foot switches      | Force: 200N             |
| FS-101         | BE600.6101.036 | Replacement contact for F foot switches             | 1NO+1NC slow            |
| FS-101B-S      | BE600.6101.060 | Replacement contact for F foot switches             | 1NO+1NC slow; bistable  |
| FS-101SN       | BE600.6351.039 | Replacement contact for F foot switches             | 1NO+1NC snap            |
| FS-202         | BE600.6101.044 | Replacement contact for F foot switches             | 2NO+2NC slow            |
| FS-202SN       | BE600.6451.040 | Replacement contact for F foot switches             | 2NO+2NC snap            |

Information subject to change without notice

#### Other F series Foot Switches available

Other models of F series Foot Switches available at ITC include:

- Foot Switches with Footrest 'FS'
- Foot Switches with Pedal lock 'AT'
- Foot Switches with hinged pedal protection 'PS'
- Foot Switches with Emergency Stop button 'NA2'
- Foot Switches with safety lock and reset 'UV'
- Foot Switches with power control 'LS'
- Foot Switches for clean environments 'MF'



Foot switches with TV handles

#### Please inquire with ITC.





Emergency Stop 'NA2'



Footrest 'FS'





Hinged Pedal Protection 'PS'



#### **Pneumatic Foot Switches**

ITC also offers two models of pneumatic foot switches, for use in several applications such as control of benchmount wire processing units, crimp tools, presses and test sytems. No lubrication required. Use of an air filter is recommended.

#### **Pneumatic Foot Switch E25**

This heavy-duty pneumatic foot valve features a die-cast aluminum valve/lever and a pedal made of nylon with reinforcing steel plate. The guard is made of impact-resistant plastic; body in aluminum alloy.

#### Pneumatic Foot Switch 4F

A compact, economical foot valve equipped with a robust, shock-resistant plastic guard. Body in aluminum alloy.

#### Pneumatic Foot Switches - Technical Information

| neamatic 1 oot 5 witches Technical information |                                  |                          |  |
|--|----------------------------------|--------------------------|--|
| Mechanical Characteristics                     | E25                              | 4F                       |  |
| Ambient temperature                            | -10 to 70°C                      | -20 to 70°C              |  |
| Fluid temperature (air)                        | -10 to 50°C                      | 5 to 60°C                |  |
| Type of function (positions)                   | 3/2 NC, spring return            | 5/2, spring return       |  |
| Operating pressure                             | 50-100 PSI; Max 145 PSI / 10 bar | 72-100 PSI; Max: 145 PSI |  |
| Connection type                                | G1/4                             | G1/4                     |  |
| Nominal connector diameter Φ                   | 8mm                              | 8mm                      |  |

Information subject to change without notice

#### Pneumatic Foot Switches and Accessories (Order by Part No.)

| Part No. | Description  | Valve Body     | Valve/Lever       | Guard            |
|----------|--|----------------|-------------------|------------------|
| 500.905  | E25 pneumatic foot switch 3/2NC - without hose     | Aluminum alloy | Die-cast aluminum | Plastic - orange |
| 500.909  | E25 pneumatic foot switch 3/2NC - with coiled hose | Aluminum alloy | Die-cast aluminum | Plastic - orange |
| 500.931  | 4F pneumatic foot switch - without hose            | Aluminum alloy | Aluminum alloy    | Plastic - yellow |
| 500.906  | Silencer for pneumatic switch; G1/4 connection     | -              | -                 | -                |
| 500.934  | 00.934 Coiled hose 8mm                             |                | -                 | -                |
| 500.935  | Quick-connector 1/4G to 8mm hose                   | -              | -                 | -                |

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E25 - 500.905



4F - 500.931







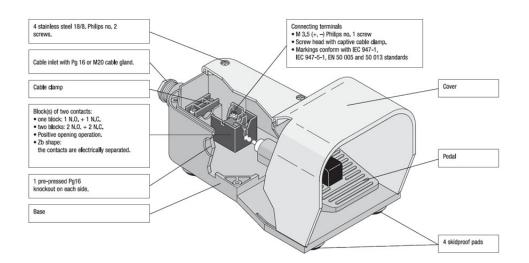


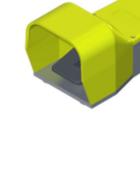
#### **Insulated-Base PS Series**

This series features a light-weight, shock-resistant insulated ABS base (UL94 VO), with optional ABS or die-cast aluminium guard.

#### Features and specifications:

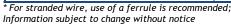
- Single or double-switch versions available
- Contacts: 1NO+1NC or 2NO+2NC per foot switch
- Spring return operation, spring return with anti-trip safety latch, and push/push operation available
- Mounting kits for 2, 3 4 or 5 foot switches available
- Approvals: CSA, UL





#### Insulated-base PS/PD Foot Switches - Technical Information

| -10 to 70°C                              |
|--|
| -30 to 80°C                              |
| 30x10 <sup>6</sup>                       |
| Screw conn. Φ 3.5mm - captive wire clamp |
| 0.75-2.5 mm2 (18-14AWG)*                 |
| Pg16 - Internal strain relief provided   |
| IP65                                     |
| ABS UL94V0                               |
|  |



| Electrical Characteristics   |                                  |
|------------------------------|----------------------------------|
| Rated voltage /current (CSA) | 300VAC 25A                       |
| Rated impulse withstand      | 6 kV                             |
| Class of utilization         | AC-15 (240V / 3A) - DC-13        |
| Contact type                 | Positive opening (IEC 60947-5-1) |
| Certification                | CSA 066746 - UL E189258          |

Note: The information above is generic to the standard foot switch line Please refer to individual technical data sheets for exact product information Information subject to change without notice

















#### 2 4 3 / VO-M

Type PS - single PD - double

#### Connection

1 - Pg 16 cable gland 2 - M20 cable gland

#### **Device Movement**

- 1 spring return
- 2 safety latch
- 3 push-push
- 4 spring return with pressure point

#### Guard\Cover, Colour

- 1 yellow guard
- 2 grey guard
- 3 yellow + grey guard (PD) 3 2(NO+NC) snap
- 4 Red guard
- 5 half red cover
- 7 half yellow cover
- 8 half grey cover

**Guard Material** V0 - UL approved ABS V0-M - UL approved aluminum

#### **Contact Blocks**

- 1 1(NO+1NC) snap
- 2 1(NO+NC) slow
- 4 2(NO+NC) slow

Any combination of the above can be ordered; half covers (5, 7 & 8) cannot have guards.

#### Part Numbers of Some of Our More Popular PS/PD Foot Switches (Order by Part No.)

| Part No.    | Description  | Guard\Cover Colour | Contact<br>(each pedal) |
|-------------|--|--------------------|-------------------------|
| PS1111/V0   | Insulated base single switch, spring return            | Yellow             | 1NO+1NC snap            |
| PS1111/V0-M | Insulated base single switch, spring return            | Yellow (Aluminium) | 1NO+1NC snap            |
| PS1112/V0   | Insulated base single switch, spring return            | Yellow             | 1NO+1NC slow            |
| PS1113/V0   | Insulated base single switch, spring return            | Yellow             | 2NO+2NC snap            |
| PS1113/V0-M | Insulated base single switch, spring return            | Yellow (Aluminium) | 2NO+2NC snap            |
| PS1114/V0   | Insulated base single switch, spring return            | Yellow             | 2NO+2NC slow            |
| PS1143/V0   | Insulated base single switch, spring return            | Red                | 2NO+2NC snap            |
| PS1144/V0   | Insulated base single switch, spring return            | Red                | 2NO+2NC slow            |
| PS1151/V0   | Insulated base single switch, spring return            | Red (half cover)   | 1NO+1NC snap            |
| PS1152/V0   | Insulated base single switch, spring return            | Red (half cover)   | 1NO+1NC slow            |
| PS1153/V0   | Insulated base single switch, spring return            | Red (half cover)   | 2NO+2NC snap            |
| PS1154/V0   | Insulated base single switch, spring return (no guard) | Red (half cover)   | 2NO+2NC slow            |
| PS1211/V0   | Insulated base single switch, safety latch             | Yellow             | 1NO+1NC snap            |
| PS1212/V0   | Insulated base single switch, safety latch             | Yellow             | 1NO+1NC slow            |
| PS1213/V0   | Insulated base single switch, safety latch             | Yellow             | 2NO+2NC snap            |
| PS1214/V0   | Insulated base single switch, safety latch             | Yellow             | 2NO+2NC slow            |
| PS1214/V0-M | Insulated base single switch, safety latch             | Yellow (Aluminium) | 2NO+2NC slow            |
| PS1311/V0   | Insulated base single switch, push-push                | Yellow             | 1NO+1NC snap            |
| PS1313/V0   | Insulated base single switch, push-push                | Yellow             | 2NO+2NC snap            |
| PS1313/V0-M | Insulated base single switch, push-push                | Yellow (Aluminium) | 2NO+2NC snap            |
| PD1131/V0   | Insulated base double foot switch, spring return x2    | Yellow             | 1NO+1NC snap            |
| PD1132/V0   | Insulated base double foot switch, spring return x2    | Yellow             | 1NO+1NC slow            |
| PD1133/V0   | Insulated base double foot switch, spring return x2    | Yellow             | 2NO+2NC snap            |
| PD1134/V0   | Insulated base double foot switch, spring return x2    | Yellow             | 2NO+2NC slow            |
| PD1313/V0   | Insulated base double switch, spring return x2         | Yellow             | 2NO+2NC snap            |

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#### Accessories for PS/PD Foot Switches (Order by Part No.)

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| Part No. | Description                              | Details      |
|----------|--|--------------|
| PS1-PY   | Replacement plastic (ABS) guard          | Yellow       |
| PS1-M    | Replacement aluminum guard               | Yellow       |
| PS4-M    | Replacement aluminum guard               | Red          |
| PS4-MG   | Replacement aluminum guard               | Grey         |
| PS4-PY   | Replacement plastic (ABS) guard          | Red          |
| R11      | Replacement contact for PS foot switches | 1NO+1NC snap |
| S11      | Replacement contact for PS foot switches | 1NO+1NC slow |
| PD1000   | Assembly kit for 2 foot switches         | Base + rod   |
| PD1001   | Assembly kit for 3 foot switches         | Base + rod   |
| PD1002   | Assembly kit for 4 foot switches         | Base + rod   |
| PD1003   | Assembly kit for 5 foot switches         | Base + rod   |

Information subject to change without notice









### Sub-compact Type "PCFS" Foot Switches



These extremely compact PCFS miniature foot switches are certified by cULus for operation at 125-250VAC. Operation is momentary (spring return).

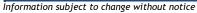
#### Features and specifications:

- Materials: Solid steel construction, with full guard and base pads
- Dimensions (without guard): 90x70x27mm; 3.5x2.75x1.1"
- **Contacts:** 1NO; snap-action
- **Grounding:** #8 grounding screw (provided)
- Approvals: cULus
- Redundant corrosion-resistant spring system
- Optional guards, oversize guards and stainless-steel guards available



#### Insulated-base PS/PD Foot Switches - Technical Information

| General Characteristics |                         |  |
|-------------------------|-------------------------|--|
| Connection type         | Quick-connect terminals |  |
| Cable size              | 18-14AWG                |  |
| Cable entry             | Internal cable clamp    |  |
| Ingress protection      | NEMA Type 1             |  |
| Material                | Steel                   |  |



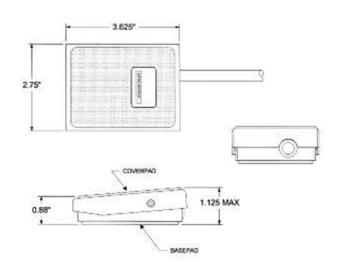


Type "PCFS" Sub-compact Foot Switches (Order by Part No.)

| Part No.    | Description   | Rated<br>Current | Rated<br>HP | Rated<br>Voltage | Contact  |
|-------------|---|------------------|-------------|------------------|----------|
| PCFS-3M     | Sub-compact metal foot switch, momentary, 1NO                   | 15A              | 1/2         | 125-250VAC       | 1NO snap |
| PCFS-3MC    | Sub-compact metal foot switch, momentary, 1NO w/6' 18/3 cable   | 10A              | 1/3         | 125-250VAC       | 1NO snap |
| PCFS-3MG    | Sub-compact metal foot switch, momentary, 1NO w/steel guard     | 15A              | 1/2         | 125-250VAC       | 1NO snap |
| PCFS-3-BG   | Black metal guard for Sub-compact metal foot switch PCFS-3M     | -                | -           | -                | -        |
| PCFS-3-YG-O | Metal guard; for 1 or 2 PCFS-3 series sub-compact foot switches | -                | -           | -                | -        |

Information subject to change without notice









#### **Two-Hand Safety Control Stations**

The two-hand control stand is designed with safety in mind. Its special configuration prevents operating the controlled equipment unless the operator uses both hands. Supplementary controls can be added (up to three 22.5 pushbuttons at the centre and 2 foot switches).

This device is composed of 3 different parts, to be ordered separately (Note: pushbuttons/switches/foot switches are not included):

- Stand (steel plate and tube, painted bright orange), adjustable height 700 to 1150mm. 4 holes for mounting on floor [PB-2029]
- Pushbutton panel, aluminum painted bright orange, with 2 + 3 22.5mm holes [PB-2031]
- Protection ring, steel, bright orange [PB-2003]

A standalone panel or wall mounted version is also available [PB-2030]

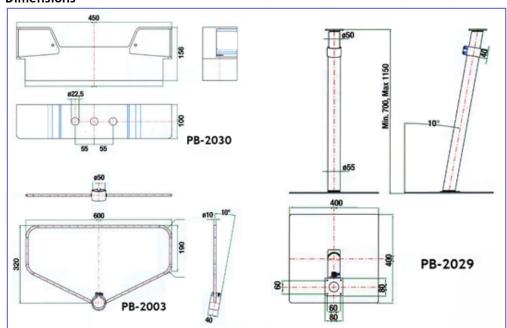
#### Two-Hand Safety Control Station (Order by Part No.)

| Part No. | Description                     | Dimensions (mm)               |
|----------|---------------------------------|-------------------------------|
| PB-2031  | Pushbutton panel stand mounting | 450 x 100 x 156               |
| PB-2030  | Pushbutton panel panel mounting | 450 x 100 x 156               |
| PB-2029  | Stand                           | H = 700 to 1150- Base 400x400 |
| PB-2003  | Protection ring                 | 600 x 320                     |

Information subject to change without notice

Please refer to ITC's 22.5mm Control Devices catalog for pushbuttons.

#### **Dimensions**







PB-2031/2030





## ELECTRICAL COMPONENTS

- 416.663.7223
- www.itcproducts.com
- 50 Mural St Unit 8 Richmond Hill, ON L4B 1E4









































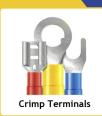
































SOME OF OUR MANUFACTURING PARTNERS

















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