

General Information



BERNSTEIN – For over 50 years we have developed and produced foot switches

Tailored to your applications – the modular foot switch concept from BERNSTEIN.

BERNSTEIN, a leader in the field of industrial foot switches, incorporates more than 50 years of experience into the development and production of it's products. The wide range of models reflects the expertise of the company offering foot switch solutions for many different applications.

- Uncovered
- Covered
- Standard
- Slow or Snap Action
- Two Stage Operation
- Latching Function
- Analog Output
- Anti-Trip
- Protective Covers

- Enabling Function
- Latching Safety
- Build in E-Stop
- Internal Contactor
- Build in Foot Rest
- ASi Interface
- ATEX Rated
- Mini Pedal
- Medical



Overview





Technical data

Electrical data		
Rated insulation voltage	U _i	400 V AC
		250 V AC (in type designation "ZS", "EX")
Rated impulse strength	U_{imp}	4 kV *
		2,5 kV (in type designation "C", "ZS", "EX") *
Conventional thermal current	I_{the}	10 A
		5 A (in type designation "ZS", "EX")
Utilization category		AC-15, U _e / I _e 240 V / 3 A
		AC-15, $U_e / I_e 240 V / 1,5 A$ (in type designation "ZS")
Positive opening		according to IEC/EN 60947-5-1, Addendum K (when reaching the pedal stop)
Over-voltage category switch-in contact with enabling function)		III (according to IEC 60664-1)
Protection class		I

^{*} does not apply to "MI" and "MI RG" in article designation

Machanian I data	
Mechanical data	
Enclosure	Cast aluminum (powder-coated)
Cover, Protective shroud UN	Cast aluminum (powder-coated)
Foot pedal	Thermoplastic
root pedai	Петпоріазис
Ambient temperature (with no icing / no condensation)	-30°C to $+80$ °C (-20°C to $+65$ °C in type designation "EX")
Class of the Control	200C bis 200C (200C bis 200C
Storage temperature	-30°C bis +80°C (-20°C to +65°C in type designation "EX")
Mechanical service life	$>$ 1 x 10^6 switching cycles when using switches with potentiometer 5 x 10^4
Switching frequency	50 min ⁻¹ when using switches with potentiometer 20 min ⁻¹
Type of connection	Screw connections (M3,5)
Conductor cross sections	Single-wire 0,5 – 1,5 mm ² or stranded wire with ferrule 0,5 – 1,5 mm ²
Cable entry	M20 x 1,5
Weight with cover	$F1 \approx 0.6 \text{ kg}, F2 \approx 1.7 \text{ kg}, F3 \approx 3.0 \text{ kg}$
Weight with protective shroud UN	F1 ≈ 1,5 kg, F2 ≈ 2,6 kg, F3 ≈ 5,4 kg
Duete etien de ce	Ducks sking along day on the professional in ID CE
Protection class	Protection class depends on type. Standard is IP 65.

Standard values for safety technology			
B10d	20 x 10 ⁶		
	6 x 10 ⁶ Restrictions in article designation "C" *		
	2 x 106 Restrictions in article designation "D" *		
	4 x 10 ⁶ Restrictions in article designation "EX" *		
	1 x 10 ⁵ Restrictions in article designation "ZS" *		
* Once a	a restriction exists, the lowest value needs to be applied.		

This technical data is generic to our standard foot switch range, please refer to individual technical data sheets for exact product information as the technical data above may vary.

Standards
VDE 0660 T100, DIN EN 60947-1, IEC 60947-1
VDE 0660 T200, DIN EN 60947-5-1, IEC 60947-5-1

Approvals* CCSAUS A300, Q300 (same polarity) cUL_{us} B300 (in type designation "ZS") DGUV (Only switches that have an appropriate label.)

^{*} Approvals depend on type.

More information can be found in the data sheet.



Single Pedal Without Cover

STANDARD

STANDARD with IP67 & IP68 PROTECTION

TWO STAGE OPERATION



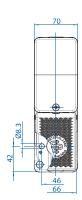
Standard OFF-ON Operation -Push pedal to change contact state. Release pedal to return to original state.

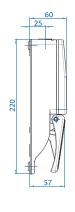


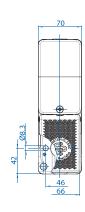
Standard OFF-ON Operation -Push pedal to change contact state. Release pedal to return to original state. With IP67 & IP68 Protection Rating (Temporary Submersion).

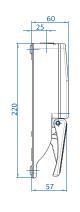


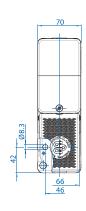
Two Stage Operation-Press Pedal to change the state of the first set of contacts. Continue to press further to change the second set of contacts.

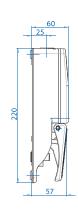












Single pedal foot switch F1				
Article number	Designation	Switching contacts		
Snap-action contact:				
		Pedal 1		
606.1300.011	F1-SU1Z	1NC / 1NO		
606.1400.061	F1-SU2Z	2NC / 2NO		
Slow-action contact:				
		Pedal 1		
616.1100.005	F1-U1Z	1NC / 1NO		
606.1200.003	F1-U2Z	2NC / 2NO		

Article number	Cable Entry	Designation	Switching
Slow-action co		57):	
			Pedal 1
616.1100.469	1 x M20	F1-U1Z	1NC / 1NO
616.1100.469	3 x M20	F1-U1Z	1NC / 1NO
Slow-action contact (IP 68):			
			Pedal 1
616.1100.251	1 x M20	F1-U1Z	1NC / 1NO

Single pedal foot switch F1			
Designation	Switching contacts	Pressure point	
ntact:			
		Pedal 1	
F1-U2ZD	2NC / 2NO	200 N	
	Designation	Designation Switching contacts ntact:	



Single Pedal Without Cover

LATCHING

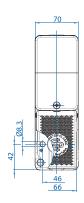
ANALOG OUTPUT

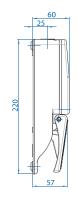


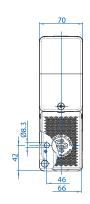
Latching Operation Push pedal to change contact
state. When you release the pedal ,
the contacts remain in that state.
Push again to return to original
state.

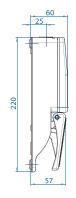


Analog Output Operation -As the pedal is depress, voltage or amperage (depending on model) is increase. Features an additional programmable NP NO signaling contact that activates at a preset level.









Single pedal foot switch F1			
Article number	Designation	Switching contacts	
		Pedal 1	
616.1000.676	F1-A2Y	2NC	
606.1100.001	F1-U1Y	1NC / 1NO	

Single pedal foot switch F1			
Article number	Designation	Output Range	
616.1500.723	F1-AU0-5	0 - 5 V	
616.1500.724	F1-AU0-10	0 - 5 V	
616.1500.725	F1-AI0-20	0 - 20 mA	
616.1500.726	F1-AI4-20	4 - 20 mA	



Single Pedal With Kick Protection

STANDARD with Anti Trip

STANDARD with Protective Hinged Cover

STANDARD with Protective Shroud



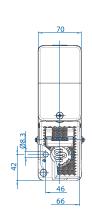
Standard OFF-ON Operation -Push forward in the Anti Trip Pedal Lock to release. Push down pedal to change contact state. Release pedal to return to original state.

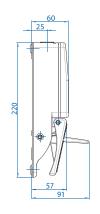


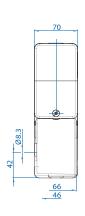
Standard OFF-ON Operation -Lift protective hinged cover up to activate pedal. Push pedal down to change contact state. Release pedal to return to original state. With IP67 Protection Rating (Temporary Submersion).



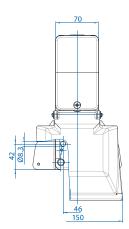
Standard OFF-ON Operation -Lift protective hinged Shroud up to activate pedal. Push pedal down to change contact state. Release pedal to return to original state.

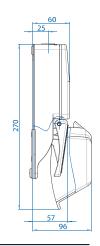












Single peda	l foot switch F	1	Single peda	foot switch F	1
Article number	Designation	Switching contacts	Article number	Designation	Switching contacts
616.1100.554	F1-U1Z AT	1NC / 1NO	606.1400.572	F1-SU2Z PS	2NC / 2NO

Single pedal foot switch F1		
Article number Designation Switching contacts		-
616.1600.071 F1-U1Z UK 1NC / 1NO		1NC / 1NO



Enabling Foot Switch without Cover

The enable foot switch provides two enabling contacts and one signaling contact and is available with or without latch. If the pedal is pressed up to pressure point, the two enable contacts are closed. If the pedal is released, the enable contacts are open again. If the pedal is pressed past the pressure point, to the bottom position, the positive opening action enabling contacts are opened. When the pedal is released from the bottom position, the enabling contacts remain open through the center position to the top. For the application of an enable device, the rules for DIN EN ISO 12100 and DIN EN 60204-1 apply.

The programmable signaling contact can be used to indicate a fixed position, with a PNP output. By combining both outputs you can determine if the actuation position was made with the top position- the OFF position of the enable contacts (the actuator is not pressed) - or the bottom position - the OFF position of the operating contacts (the actuator is fully pressed).

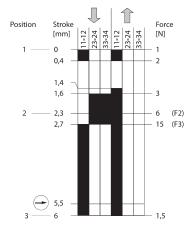


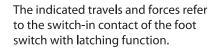
Circuit symbol

Signaling contact 11 12 23 24 33 34 Enabling contacts



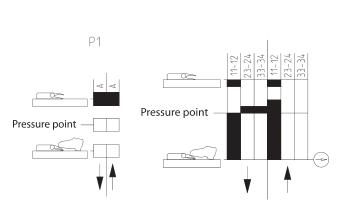
Switching diagram





Switching point \pm 0,25 mm; Operating force \pm 10 %

Switching diagram with PNP sensor



Example of a switching diagrams with static position monitoring in position 1

Single pedal enable foot switch F1				
Article number	Designation	Switching contacts	Pressure point	Special feature
606.1500.559	F1-ZSD	1NC / 2NO	200 N	Pressure point D
606.1500.567	F1-ZSDR	1NC / 2NO	200 N	Pressure point D, Latching R
606.1500.569	F1-ZSP1D	1NC / 2NO	200 N	Additional board 1*, Pressure point D
606.1500.570	F1-ZSP3D	1NC / 2NO	200 N	Additional board 3**, Pressure point D

^{*} Additional board PNP for determination of switching position 1

^{**} Additional board PNP for determination of switching position 3



Single Pedal With Cover

STANDARD

TWO STAGE OPERATION

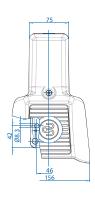
LATCHING

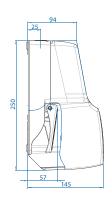


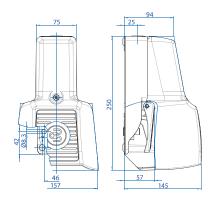


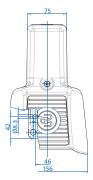


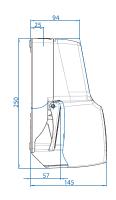
Standard OFF-ON Operation -Push pedal to change contact state. Release pedal to return to original state. Two Stage Operation-Press Pedal to change the state of the first set of contacts. Continue to press further to change the second set of contacts. Latching Operation Push pedal to change contact
state. When you release the pedal ,
the contacts remain in that state.
Push again to return to original
state.











Single peda	l foot s	witch F1		
Article number	Cable entry	Designation	Switching contacts	
Snap-action co	ntact:			
			Pedal 1	
606.1800.012	12 1 x M20 F1-SU	F1-SU1Z UN	1NC / 1NO	
606.1900.062	1 x M20	F1-SU27 UN	2NC / 2NO	

Slow-action contact (IP65 Protection Rating):				
			Pedal 1	
606.1600.006	1 x M20	F1-U1Z UN	1NC / 1NO	
606.1700.004	1 x M20	F1-U2Z UN	2NC / 2NO	

Slow-action contact (IP6/	Protection Rating):	
	Pedal 1	

			Pedal 1
606.1600.538	1 x M20	F1-U1Z UN	1NC / 1NO
606.1600.345	3 x M20	F1-U1Z UN	1NC / 1NO

Single pedal foot switch F1			
Article number	Designation	Switching contacts	Pressure point
Snap-action contact:			
		Pedal 1	Pedal 1
	F1-SU1ZD UN	1NC / 1NO	200 N
616.1800.073			

			Pedal 1
606.1600.010	F1-U1ZD UN	1NC / 1NO	200 N
606.1700.008	F1-U2ZD UN	2NC / 2NO	200 N

Single peda	l foot switch F	1	
Article number	Designation	Switching contacts	
Snap-action cor	ntact:	Pedal 1	
616.1800.247	F1-SU1Y UN	1NC / 1NO	
Slow-action contact:			
616.1600.295	F1-U1Y UN	1NC / 1NO	



Single Pedal With Cover

WITH E-STOP BUTTON

INTERNAL CONTACTOR

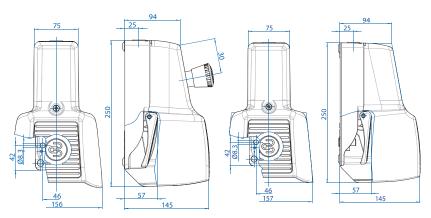
ANALOG OUTPUT

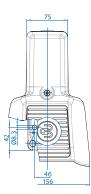


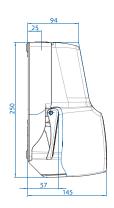




Standard OFF-ON Operation -Push pedal to change contact state. Release pedal to return to original state. With 2NC contact Emergency Stop Standard and Latching style with built in contactor can switch up to 16AMPS@400VAC for AC1 applications, with additional 3NO/1NC Contacts Analog Output Operation -As the pedal is depress, voltage or amperage (depending on model) is increase. Features an additional programmable PNP NO signaling contact that activates at a preset level.







Single pedal	1	
Article number	Designation	Switching contacts
606.1600.435	F1-U1Z NA2 UN	1NC / 1NO

Single peda	foot switch F1	
Article number	Designation	Switching contacts
Standard		
606.1800.436	F1-SU1Z LS22 UN	1NC / 1NO
Latching		
606.1800.439	F1-SU1Y LS22 UN	1NC / 1NO

Single pedal foot switch F1				
Article number	Designation	Output Range		
616.1000.727	F1-AU0-5	0 - 5 V		
616.1000.728	F1-AU0-10	0 - 5 V		
616.1000.729	F1-AI0-20	0 - 20 mA		
616.1000.730	F1-AI4-20	4 - 20 mA		



Single Pedal With Cover

STANDARD with Anti Trip



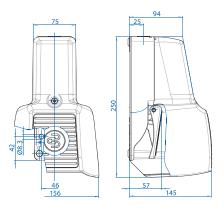
ASI Interface

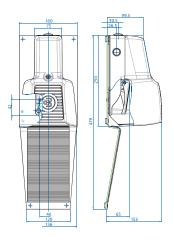


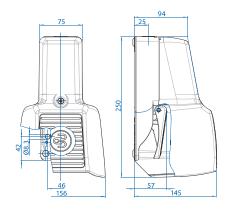




Standard OFF-ON Operation -Push forward in the Anti Trip Pedal Lock to release. Push down pedal to change contact state. Release pedal to return to original state. Standard OFF-ON Operation -Push pedal to change contact state. Release pedal to return to original state. With anti-fatigue footrest. Foot Switches with built in ASI Bus System interface via an M12 plug connection. Available in Standard or Enabling Switch versions







Single pedal foot switch F1			
Article number	Designation	Switching contacts	
616.1800.482	F1-SU1Z AT UN	1NC / 1NO	
616.1600.400	F1-U1Z AT UN	1NC / 1NO	
616.1700.483	F1-U2Z AT UN	2NC / 2NO	
616.1700.660	F1-U2ZD AT UN	2NC / 2NO	

gle pedal foot switch F1		
ng s		
10		

Standard with ASI Interface				
Article number	Designation			
607.3700.076	ASI F1 UN			
Enabling Sw	itch with ASI Interface			
Enabling Sw	itch with ASI Interface			



Enabling Foot Switch with Cover

The enable foot switch provides two enabling contacts and one signaling contact and is available with or without latch. If the pedal is pressed up to pressure point, the two enable contacts are closed. If the pedal is released, the enable contacts are open again. If the pedal is pressed past the pressure point, to the bottom position, the positive opening action enabling contacts are opened. When the pedal is released from the bottom position, the enabling contacts remain open through the center position to the top. For the application of an enable device, the rules for DIN EN ISO 12100 and DIN EN 60204-1 apply.

The programmable signaling contact can be used to indicate a fixed position, with a PNP output. By combining both outputs you can determine if the actuation position was made with the top position- the OFF position of the enable contacts (the actuator is not pressed) - or the bottom position - the OFF position of the operating contacts (the actuator is fully pressed).

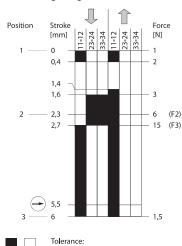


Circuit symbol

Signaling contact 11 12 23 24 33 34 Enabling contacts

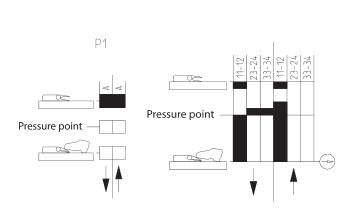


Switching diagram





Switching diagram with PNP sensor



Example of a switching diagrams with static position monitoring in position 1

to the switch-in contact of the foot switch with latching function.

Single peda	Single pedal foot switch with enabling function F1						
Article number	Designation	Switching contacts	Pressure point	Special feature			
606.1000.558	F1-ZSD UN	1NC / 2NO	200 N	Pressure point D, Prot. shroud UN			
606.1000.560	F1-ZSDR UN	1NC / 2NO	200 N	Pressure point D, Latching R, Prot. shroud UN			
606.1000.564	F1-ZSP1D UN	1NC / 2NO	200 N	Additional board 1*, Pressure point D, Prot. shroud UN			
607.3700.085	F1-ASI-ZSD UN		200 N	ASI-ZS, Pressure point D, Prot. shroud UN			
607.3700.086	F1-ASI-ZSDR UN		200 N	ASI-ZS, Pressure point D, Latching R, Prot, shroud UN			

^{*} Additional board PNP for determination of switching position 1



Foot Switches with Safety Lock Plus Manual Release



Pedal pressed up to pressure point:
 The make contact is closed and the work process is started.

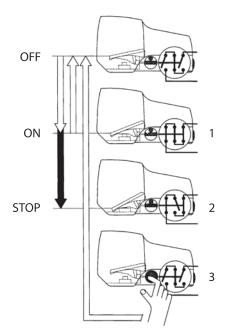
Pedal pressed beyond resistance of the pressure

point in an emergency situation:
The make contact is interrupted and locked, the work process is interrupted. In this phase the lock remains in the Off position even when the pedal is not pressed. This reliably prevents uncontrolled

restart of the machine or moving parts.

Release:

Only after the hazardous situation has been remedied does manual release (pushbutton on the side of the enclosure) release the contacts again and the work process can be restarted by pressing the pedal as far as the pressure point.



Safety function on foot switches with mechanical lock (SiPf)

Single pedal foot switch F1						
Article number	Designation	Switching contacts	Pressure point	Special feature		
616.1000.560	F1-SU1ZUV1ZDR UN	2NC / 2NO	200 N	Pressure point D, Latching, Prot. shroud UN		
616.1000.203	F1-SU1Z/UV1ZD UN	1NC / 2NO	200 N	Pressure point D, Latching, Prot. shroud UN		
616.1000.626	F1-SU1ZCA2ZDR UN	3NC / 1NO	200 N	Pressure point D, Latching, Prot. shroud UN		
616.1000.443	F1-UV1Z/UV1ZD	2NC / 2NO	200 N	Pressure point D, Latching		
616.1000.532	F1-UV1Z/UV1ZD UN	2NC / 2NO	200 N	Pressure point D, Latching, Protective unlatch button, Prot. shroud UN		



Double Pedal without Cover

STANDARD

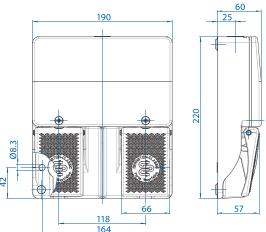


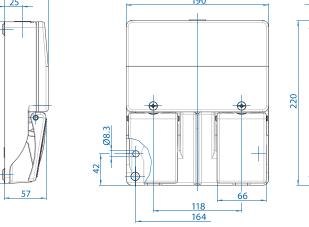
Standard OFF-ON Operation-Push pedal to change contact state. Release pedal to return to original state.

STANDARD withProtective Hinged Cover



Standard OFF-ON Operation-Lift protective hinged cover up to activate pedal. Push pedal down to change contact state. Release pedal to return to original state. With IP67 Protection Rating (Temporary Submersion).





Two pedal foot switch F2					
Article number Designation Switching contacts					
Snap-action contact:					
		Pedal 1 (left)	Pedal 2 (right)		
606.2330.021	F2-SU1Z/SU1Z	1NC / 1NO	1NC / 1NO		
606.2440.065	F2-SU2Z/SU2Z	2NC / 2NO	2NC / 2NO		
Slow-action contact:					
		Pedal 1 (left)	Pedal 2 (right)		
606.2110.013	F2 - U1Z/U1Z	1NC / 1NO	1NC / 1NO		
606.2220.015	F2 - U2Z/U2Z	2NC / 2NO	2NC / 2NO		

Two pedal foot switch F2					
Article number Designation Switching contacts			g contacts		
		Pedal 1 (left)	Pedal 2 (right)		
606.2440.573	F2-SU2ZPS/SU2ZPS	2NC / 2NO	2NC / 2NO		



Double Pedal with Cover

STANDARD

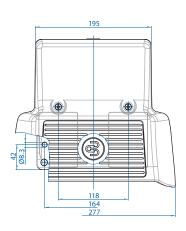


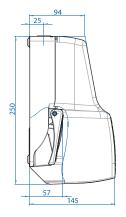
Standard OFF-ON Operation-Push pedal to change contact state. Release pedal to return to original state.

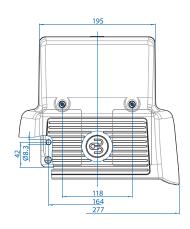
TWO STAGE OPERATION

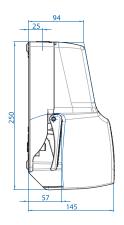


Two Stage Operation-Press Pedal to change the state of the first set of contacts. Continue to press further to change the second set of contacts.









Two pedal foot switch F2						
Article number	Designation	Switching	contacts	Special feature		
Snap-action contact:						
		Pedal 1 (left)	Pedal 2 (righ	nt)		
606.2830.022	F2-SU1Z/SU1Z UN	1NC / 1NO	1NC / 1NO	Prot. shroud UN		
606.2940.066	F2-SU2Z/SU2Z UN	2NC / 2NO	2NC / 2NO	Prot. shroud UN		
Slow-action contact:						
		Pedal 1 (left)	Pedal 2 (righ	nt)		
606.2610.014	F2-U1Z/U1Z UN	1NC / 1NO	1NC / 1NO	Prot. shroud UN		
606.2720.016	F2-U2Z/U2Z UN	2NC / 2NO	2NC / 2NO	Prot. shroud UN		

Two pedal foot switch F2						
Article number	Designation	Switching contacts		Two Stage Operation		
Snap-action co	ontact:					
		Pedal 1 (left)	Pedal 2 (right)			
616.2000.418	F2-SU1Z/SU2ZD UN	1NC / 1NO	2NC / 2NO	(Pedal 2)		
606.2830.417	F2-SU1ZD/SU1ZD UN	1NC / 1NO	1NC / 1NO	(Pedal1+Pedal2)		
616.2000.503	F2-SU4ZD/SU4ZD UN	4NC / 4NO	4NC / 4NO	(Pedal 1+Pedal 2)		
Slow-action co	ontact:					
616.2610.253	F2-U1ZD/U1Z UN	1NC / 1NO	1NC / 1NO	(Pedal 1)		
606.2620.086	F2-U1Z/U2ZD UN	1NC / 1NO	2NC / 2NO	(Pedal 2)		
606.2720.020	F2-U2ZD/U2ZD UN	2NC / 2NO	2NC / 2NO	(Pedal 1+Pedal 2)		
606.2710.376	F2-U2ZD/U1Z UN	2NC / 2NO	1NC / 1NO	(Pedal 1)		



LATCHING

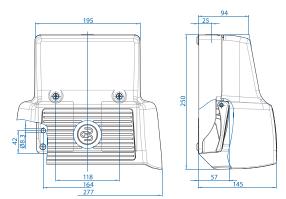


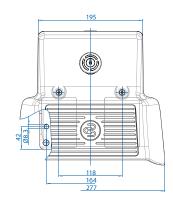
Latching Operation Push pedal to change contact state. When you release the pedal , the contacts remain in that state.
Push again to return to original state.

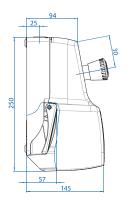
WITH E-STOP BUTTON



Standard OFF-ON Operation -Push pedal to change contact state. Release pedal to return to original state. With 2NC contact Emergency Stop







Two pedal foot switch F2						
Article number	Designation	Switchir	ng contacts	Latching		
		Pedal 1 (left)	Pedal 2 (right)			
616.2840.655	F2-SU1Y/SU2Z UN	1NC / 1NO	2NC / 2NO	(Pedal 1)		
606.2610.018	F2-U1Y/U1Y UN	1NC / 1NO	1NC / 1NO	(Pedal 1+Pedal 2)		
606.2610.047	F2-U1Y/U1Z UN	1NC / 1NO	1NC / 1NO	(Pedal 1)		

Two pedal foot switch F2					
Article number	Designation	Switching contacts			
		Pedal 1 (left) Pedal 2 (right)			
616.2720.700	F2-U2Z/U2Z NA2 UN	2NC/2NO 2NC/2NO			

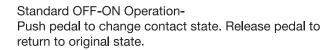


Triple Pedal

STANDARD WITHOUT COVER

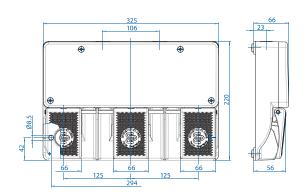


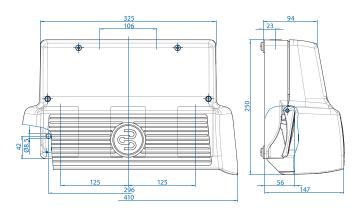






Standard OFF-ON Operation-Push pedal to change contact state. Release pedal to return to original state.





Three pedal foot switch F3						
Article number	Designation	Sw	itching conta	cts		
Snap-action contact:						
		Pedal 1 (left)	Pedal 2 (middle)	Pedal 3 (right)		
616.3444.577	F3-SU2Z/SU2Z/SU2Z	2NC / 2NO	2NC / 2NO	2NC / 2NO		
Slow-action contact:						
		Pedal 1 (left)	Pedal 2 (middle)	Pedal 3 (right)		
606.3111.025	F3-U1Z/U1Z/U1Z	1NC / 1NO	1NC / 1NO	1NC / 1NO		

Three pedal foot switch F3						
Article number	Designation	Switching	contacts			
Snap-action contact:						
		Pedal 1 (left)	Pedal 2 (middle) Pedal 3 (right)			
606.3833.045	F3-SU1Z/SU1Z/SU1Z UN	1NC / 1NO	1NC / 1NO 1NC / 1NO			
Slow-action contact:						
		Pedal 1 (left)	Pedal 2 (middle) Pedal 3 (right)			
606.3611.026	F3-U1Z/U1Z/U1Z UN	1NC / 1NO	1NC/1NO 1NC/1NO			



Foot switches for potentially explosive atmospheres

BERNSTEIN offers you a wide range of single and double pedal foot switches designed to meet the exacting requirements of zone 1 and 2 potentially explosive atmospheres (other approvals on demand). The foot switches have factory fitted connection cables which are available in different lengths.





Ordering Instructions for foot switches in potentially explosive atmospheres:

Foot switches for potentially explosive atmospheres have "EX" in the article designation and can be delivered in one and two pedal versions.

Single pedal foot switch F1					
Article number	Designation	Switching contacts	Special feature		
609.6198.014	F1-SU1Z EX 5M	1NC / 1NO	5 m Connection cable		
609.6198.015	F1-SU1Z EX 9M	1NC / 1NO	9 m Connection cable		
609.6197.017	F1-SU1Z EX UN -2M-	1NC / 1NO	2 m Connection cable, Prot. shroud UN		
609.6197.019	F1-SU1Z EX UN -5M-	1NC / 1NO	5 m Connection cable, Prot. shroud UN		
609.6197.020	F1-SU1Z EX UN -9M-	1NC / 1NO	9 m Connection cable, Prot. shroud UN		
Two pedal fo	oot switch F2				
Article number	Designation	Switching	contacts Special feature		

Article number	Designation	Switching contacts		Special feature
		Pedal 1(left)	Pedal 2(right)	
609.6198.022	F2-SU1Z/SU1Z EX -2M-	1NC / 1NO	1NC / 1NO	2 m Connection cable
609.6198.024	F2-SU1Z/SU1Z EX -5M-	1NC / 1NO	1NC / 1NO	5 m Connection cable
609.6197.029	F2-SU1Z/SU1Z EX UN -5M-	1NC / 1NO	1NC / 1NO	5 m Connect. cable, Prot. shroud UN
609.6197.030	F2-SU1Z/SU1Z EX UN -9M-	1NC / 1NO	1NC / 1NO	9 m Connect. cable, Prot. shroud UN



Mobility Handles



The mobility handle option is a complementary accessory for the one (F1) and two (F2) pedal versions. Modification to the foot switch is not required and has retro fitting possibility.

Mobility handling for foot switches:

Article number Designation 399.6000.229 F1-TV

399.6000.229 F1-1V **399.6000.230** F2-TV



Medical Foot Switches

FBT Series



- Modular pedal or joy-pad attachments
- Bar as footrest or for changing position
- Adjustable foot heights ensure the ideal ergonomic position
- High mechanical durability
- 2-level switching possible
- Analogue or digital output signals

MF Series



- Ergonomically optimized, elegant design
- Easy to clean
- Radial cable entry for effective cable protection
- Analogue or digital output signals
- Protected, internal cover seal
- Customized modular design