

Foot Switches

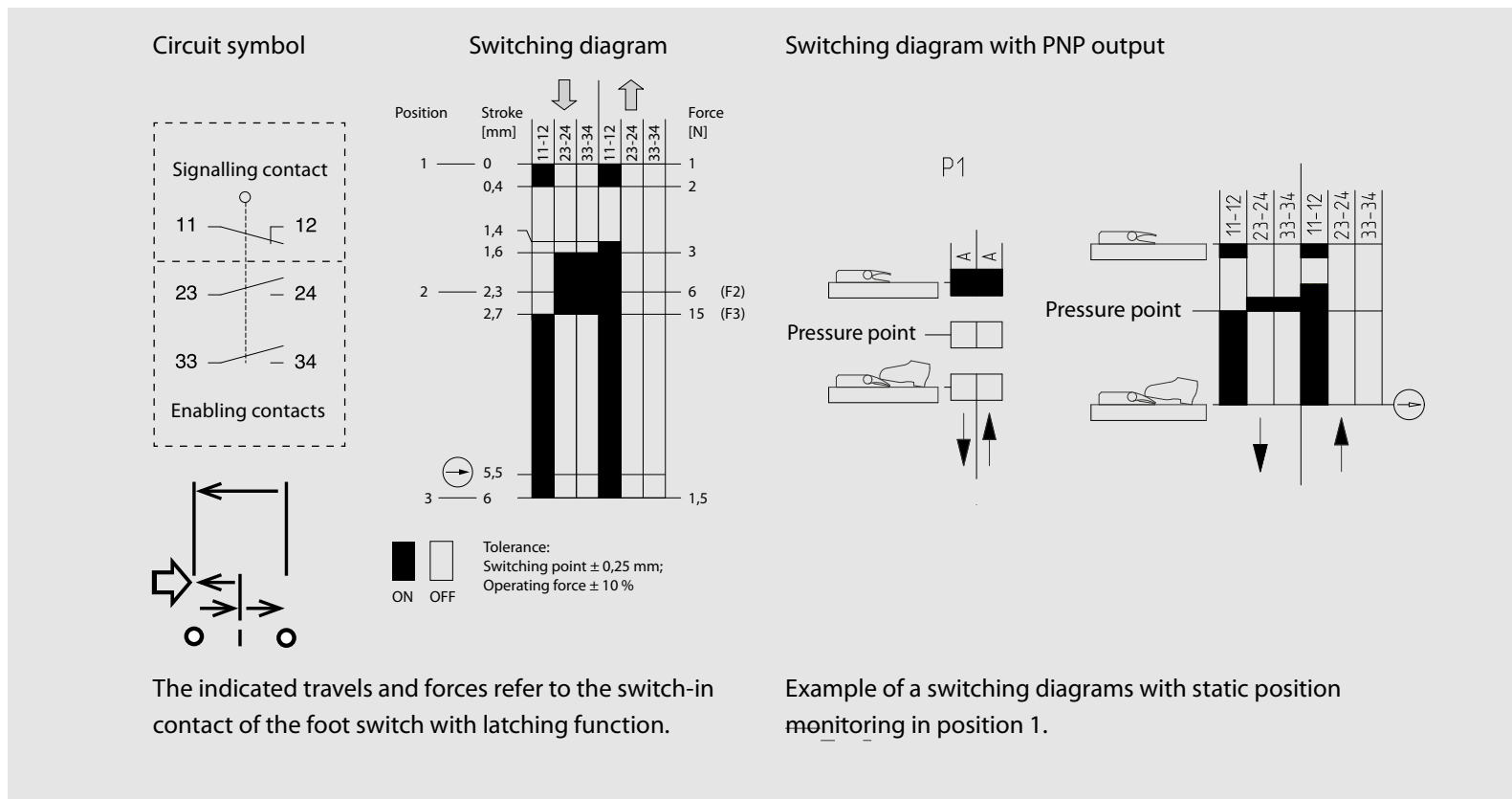
With Enabling Switch (DGVU Approved)

The BERNSTEIN three-stage-enable foot switch combines robust design and advanced technology. With many years of experience and expertise, BERNSTEIN is the preferred partner for industrial foot switches in industrial applications. Through the development of the first approved enable foot switch, BERNSTEIN succeeded again to convert this experience and expertise into customer value and to set new standards in safety technology.

The enable foot switch provides two enable contacts and one signalling 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 up to the pressure point, the enable positive opening action contacts are opened. For the application of an enable device, the rules DIN EN ISO 12100 and DIN EN 60204-1 apply. Thanks to this signalling contact, a dynamic position detection is possible. Alternatively, a static position detection can be realised by means of a PNP output. It is thus possible to determine the actuation position one - the OFF position of the enable contacts (the actuator is not pressed) – or the position three – the OFF position of the operating contacts (the actuator is fully pressed) and to make this information directly available to the control system.

The approved enable foot switch can be only delivered in standard version without protective shroud UN.



Foot Switches

With Enabling Function Uncovered
(DGVU Approved)



Single pedal enable foot switch F1

Article number	Designation	Switching contacts	Pressure point	Special feature
6061500559	F1-ZSD	1NC / 1NO	200 N	Pressure point D
6061500567			200 N	Pressure point D, Latching R
6061500569	F1-ZSP1D	1NC / 1NO	200 N	Additional board 1*, Pressure point D
6061500570	F1-ZSP3D		200 N	Additional board 3**, Pressure point D

Two pedal enable foot switch F2

Article number	Designation	Switching contacts		Pressure point		Special feature
		Pedal 1 (left)	Pedal 2 (right)	Pedal 1 (left)	Pedal 2 (right)	
6062500561	F2-U1Z/ZSD	1NC / 1NO	1NC / 1NO		200 N	Pressure point D (Pedal 2)
6062500568	F2-ZSDR/ZSDR	1NC / 1NO	1NC / 1NO	200 N	200 N	Pressure point D, Latching R

* Additional board PNP for determination of switching position 1

** Additional board PNP for determination of switching position 3

Foot Switches

With Enabling Function Covered

Foot switches are often used as so-called “hold-to-run control device” (touch control) to bring a machine into operation. For this purpose, the enable foot switches equipped with the approved enable contact are ideally suited as they satisfy very demanding safety standards.

The contact and the switching function of these switches is identical with those of the enable foot switches. The pedal position is recognizable dynamically with the signalling contact or statically with the additional board. The foot switches with enable function are with or without latching function and with protective shroud available.



Ordering Instructions for foot switch with enable function

Single pedal foot switch F1

Article number	Designation	Switching contacts	Pressure point	Special feature
6061000558	F1-ZSD UN	1NC / 2NO	200 N	Pressure point D, Prot. shroud UN
6061000560	F1-ZSDR UN	1NC / 2NO	200 N	Pressure point D, Latching R, Prot. shroud UN
6061000564	F1-ZSP1D UN	1NC / 2NO	200 N	Additional board 1*, Pressure point D, Prot. shroud UN
6073700085	F1-ASI-ZSD UN		200 N	ASI-ZS, Pressure point D, Prot. shroud UN
6073700086	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

Two pedal foot switch F2

Article number	Designation	Switching contacts		Pressure point		Special feature
		Pedal 1 (l.)	Pedal 2 (r.)	Pedal 1 (l.)	Pedal 2 (r.)	
6062000562	F2-U1Z/ZSD UN	1NC / 1NO	1NC / 2NO	200 N	200 N	Pressure point D (Pedal 2), Prot. shroud UN
6062000563	F2-U1Z/ZSDR UN	1NC / 1NO	1NC / 2NO	200 N	200 N	Pressure point D (Pedal 2), Latching R, Prot. shroud UN
6062000565	F2-ZSP1D/ZSP1D UN	1NC / 2NO	1NC / 2NO	200 N	200 N	Additional board 1*, Press. point D (Pedal 1+2), Prot. shroud UN
6062000566	F2-ZSP3D/ZSP3D UN	1NC / 2NO	1NC / 2NO	200 N	200 N	Additional board 3**, Press. point D (Pedal 1+2), Prot. shroud UN

* Additional board PNP for determination of switching position 1

** Additional board PNP for determination of switching position 3