

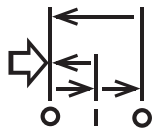
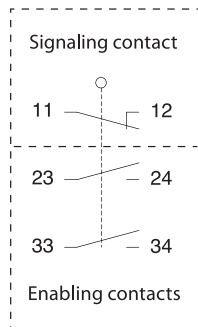
## Enabling Foot Switch with Cover

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.

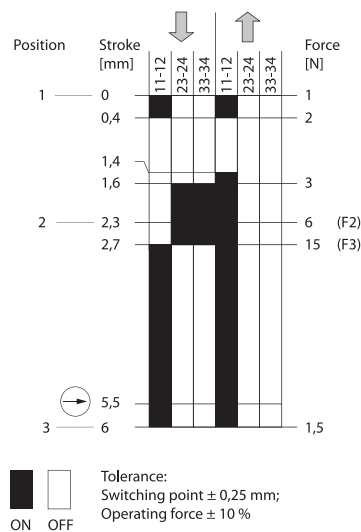
The programmable signaling contact can be used to indicate a fixed position, with a PNP output. By combining both outputs you can determine if the actuation position was made with the top position- the OFF position of the enable contacts (the actuator is not pressed) - or the bottom position - the OFF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



Circuit symbol

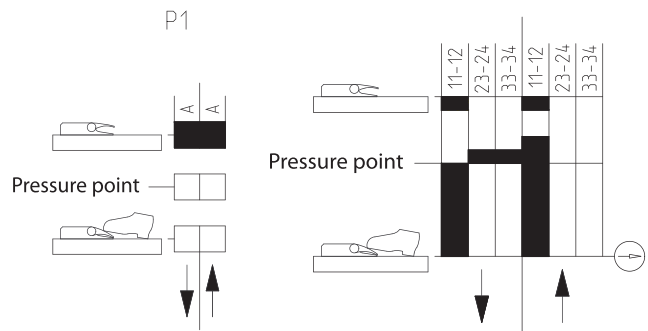


Switching diagram



The indicated travels and forces refer to the switch-in contact of the foot switch with latching function.

Switching diagram with PNP sensor



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

### 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