

## FOOT SWITCH

606.2830.022

F2-SU1Z/SU1Z UN 2PEDAL FOOTSWI

- Robust design
- IP65 rated
- Relay, contactor etc. can be installed inside the cover
- Special versions available for various environments such as hospitals



### PRODUCT DESCRIPTION

#### Common features

<b>F1 =</b>	1 pedal
<b>F2 =</b>	Dual pedal
<b>UN =</b>	Protective cover
<b>U1Z =</b>	Slow action contact, 1 NO+1 NC
<b>U2Z =</b>	Slow action contact, 2 NO+2 NC
<b>SU1Z =</b>	Snap action contact, 1 NO+1 NC (contact executes switching function in constant speed)
<b>SU2Z =</b>	Snap action contact, 2 NO+2 NC (contact executes switching function in constant speed)
<b>U1Y =</b>	"Push-push" -contact. One push executes a switching function, second push resets the contact, 1 NO+1 NC.
<b>U2ZD =</b>	Dual action: first contact functions when the pedal is pushed up to pressure point, second contact functions when the pedal is pushed beyond pressure point, 2 NO+2 NC.

### SPECIFICATIONS

<b>Contact type</b>	1NO, 1 NC
<b>IP Class</b>	IP65
<b>Voltage Max</b>	240 V
<b>Conventional Thermal Current</b>	10 A

Cable entry	1xM20x1,5
Material of body	Aluminium
Number of pedals	2
Materials Pedal	Plastic
Temperature range from	-30 °C
Temperature range to	80 °C
Operating Frequency Max	50 ggr/min
B10d	20x10 <sup>6</sup>
Approvals	CCC, CE, CSA US

Standard values for safety technology	Standards
W04 20 x 10°	VDE 0660 T100, DIN EN 60947-1, IEC 60947-1
6 x 10° Restrictions in article designation "C"*	VDE 0660 T200, DIN EN 60947-5-1, IEC 60947-5-1
2 x 10° Restrictions in article designation "D"*	
4 x 10° Restrictions in article designation "E"*	
1 x 10° Restrictions in article designation "F"*	

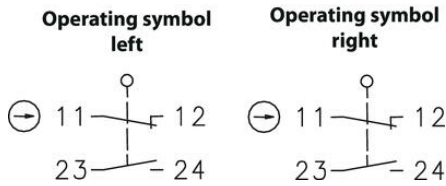
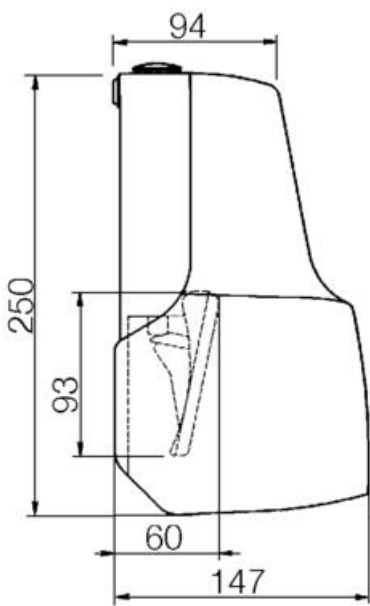
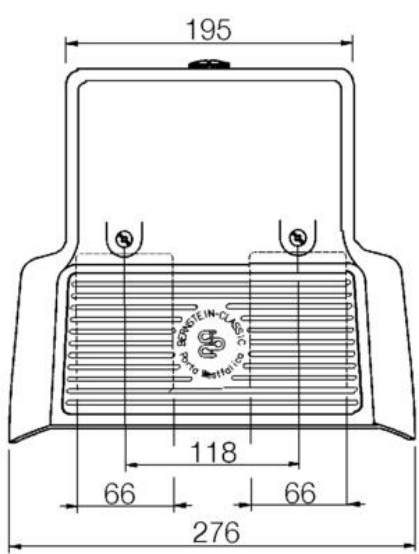
\* Once a restriction exists, the lowest value needs to be applied.

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.

Approvals*
CCC, ATEX, Q200 (same polarity)
UL, ENEC (in type designation "D")
CE, VDE (only switches that have an appropriate label)

\* Approvals depend on type.  
More information can be found in the data sheet.

Mechanical data	
Enclosure	Cast aluminium (powder coated)
Cover, Protective shroud UN	Cast aluminium (powder coated)
Foot pedal	Thermoplastic
Operating temperature (with no long / no condensation)	-30°C to +80°C / 20°C to +165°C in type designation "E"
Storage temperature	-30°C to +80°C / 20°C to +165°C in type designation "E"
Mechanical service life	> 1 x 10 <sup>6</sup> switching cycles when using switches with potentiometer 5 x 10 <sup>6</sup>
Switching frequency	50 min <sup>-1</sup> when using switches with potentiometer 20 min <sup>-1</sup>
Type of connection	Screw connections (M3.5)
Conductor cross sections	Single wire 0.3 - 1.5 mm <sup>2</sup> or stranded wire with female 0.3 - 1.5 mm <sup>2</sup>
Cable entry	M20 x 1.5
Weight with cover	F1 = 68 kg, F2 = 17 kg, F3 = 3.8 kg
Weight with protective shroud UN	F1 = 13 kg, F2 = 3.8 kg, F3 = 5.8 kg
Protection class	Protection class depends on type. Standard is IP 65.



Standard values for safety technology	Standards
W04 20 x 10°	VDE 0660 T100, DIN EN 60947-1, IEC 60947-1
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2 x 10° Restrictions in article designation "D"*	
4 x 10° Restrictions in article designation "E"*	
1 x 10° Restrictions in article designation "F"*	

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Approvals*
CCC, ATEX, Q200 (same polarity)
UL, ENEC (in type designation "D")
CE, VDE (only switches that have an appropriate label)

\* Approvals depend on type.  
More information can be found in the data sheet.

Mechanical data	
Enclosure	Cast aluminium (powder coated)
Cover, Protective shroud (N)	Cast aluminium (powder coated)
Foot pedal	Thermoplastic
Operating temperature (with no icing / no condensation)	-30°C to +60°C / -20°C to +60°C in type designation "EX")
Storage temperature	-30°C to +60°C / -20°C to +60°C in type designation "EX")
Mechanical service life	> 1 x 10 <sup>7</sup> switching cycles when using switches with potentiometer 1 x 10 <sup>7</sup>
Switching frequency	10 min <sup>-1</sup> when using switches with potentiometer 10 min <sup>-1</sup>
Type of connection	Scree connections (MSB)
Conductor cross section	Single wire 0.5 – 1.5 mm <sup>2</sup> or stranded wire with fibre 0.5 – 1.5 mm <sup>2</sup>
Cable entry	M20 x 1.5
Weight with cover	F1 = 0.8 kg, F2 = 1.7 kg, F3 = 3.0 kg
Weight with protective shroud (N)	F1 = 1.3 kg, F2 = 2.6 kg, F3 = 5.4 kg
Protection class	Protection class depends on type. Standard is IP 65.