

## FOOT SWITCH

606.1100.005  
F1-U1Z FOOT SWITCH

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



### PRODUCT DESCRIPTION

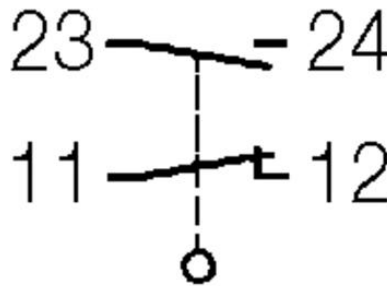
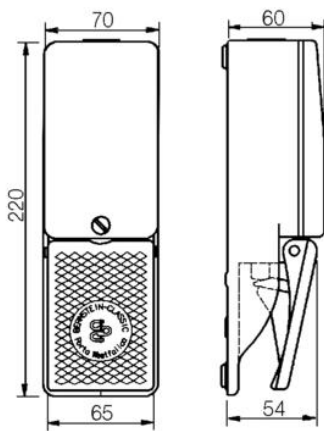
#### Common features

<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

<b>Cable entry</b>	3xM20x1,5
<b>Material of body</b>	Aluminium
<b>Number of pedals</b>	1
<b>Materials Pedal</b>	Plastic
<b>Temperature range from</b>	-30 °C
<b>Temperature range to</b>	80 °C
<b>Operating Frequency Max</b>	50 ggr/min
<b>B10d</b>	20x10 <sup>6</sup>
<b>Approvals</b>	CCC, CE, CSA US



**Standard values for safety technology**

IP66	20 x 10 <sup>6</sup>
5 x 10 <sup>6</sup> Restrictions in article designation "C"	
2 x 10 <sup>6</sup> Restrictions in article designation "D"	
4 x 10 <sup>6</sup> Restrictions in article designation "E"	
1 x 10 <sup>6</sup> Restrictions in article designation "D"	

\* 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.

**Standards**

VDE 0661 T103, DIN EN 60947-1, IEC 60947-1
VDE 0661 T203, DIN EN 60947-5-1, IEC 60947-5-1

**Approvals\***

CCAL2 A 300, CE300 (same pole/throw)
UL6, IEC60300 (in type designation "D")
OSIV (OSIV 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 (IP)	Cast aluminium (powder-coated)
Foot pedal	Thermoplastic
Operating temperature (with no icing / no condensation)	-30°C to +80°C (-20°C to +60°C in type designation "E")
Storage temperature	-30°C to +80°C (-20°C to +60°C in type designation "E")
Mechanical service life	> 1 x 10 <sup>6</sup> switching cycles when using switches with potentiometer 20 min <sup>2</sup>
Switching frequency	50 min <sup>2</sup> when using switches with potentiometer 20 min <sup>2</sup>
Type of connection	Screw connections (M2.5)
Conductor cross sections	Single wire 0.5–1.5 mm <sup>2</sup> or stranded wire with female 0.5–1.5 mm <sup>2</sup>
Cable entry	M20 x1.5
Weight with cover	F1 = 0.8 kg, F2 = 1.7 kg, F3 = 3.2 kg
Weight with protective shroud (IP)	F1 = 1.5 kg, F2 = 2.6 kg, F3 = 5.4 kg
Protection class	Protection class depends on type, Standard is IP45