BERNSTEIN

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

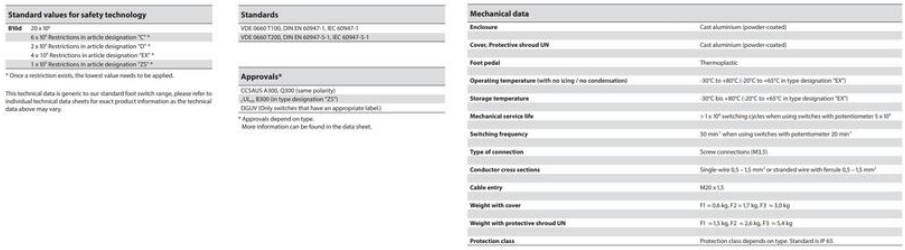
PRODUCT DESCRIPTION

Common features	
F1 =	1 pedal
F2 =	Dual pedal
UN =	Protective cover
U1Z =	Slow action contact, 1 NO+1 NC
U2Z =	Slow action contact, 2 NO+2 NC
SU1Z =	Snap action contact, 1 NO+1 NC (contact executes switching function in constant speed)
SU2Z =	Snap action contact, 2 NO+2 NC (contact executes switching function in constant speed)
U1Y =	”Push-push” -contact. One push executes a switching function, second push resets the contact, 1 NO+1 NC.
U2ZD =	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

Contact type	1NO, 1 NC
IP Class	IP65
Voltage Max	240 V
Conventional Thermal Current	10 A
Cable entry	3xM20x1,5

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



Standard values for safety technology

B10d	20 x 10⁶
	6 x 10⁶ Restrictions in article designation "C" *
	2 x 10⁶ Restrictions in article designation "D" *
	4 x 10⁶ Restrictions in article designation "EX" *
	1 x 10⁶ Restrictions in article designation "ZS" *

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

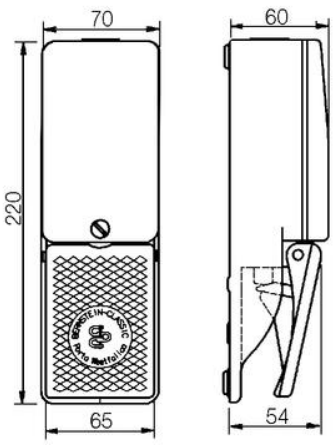
Approvals*

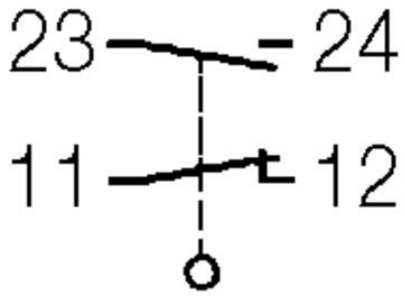
CCSAUS A300, Q300 (same polarity)
cULus B300 (in type designation "ZS")
DGUV (Only switches that have an appropriate label)

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

Mechanical data

Enclosure	Cast aluminium (powder-coated)
Cover, Protective shroud UN	Cast aluminium (powder-coated)
Foot pedal	Thermoplastic
Operating temperature (with no icing / no condensation)	-30°C to +80°C (-20°C to +65°C in type designation "EX")
Storage temperature	-30°C bis +80°C (-20°C to +65°C in type designation "EX")
Mechanical service life	> 1 x 10⁶ switching cycles when using switches with potentiometer 5 x 10⁵
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 mm² or stranded wire with ferrule 0,5 – 1,5 mm²
Cable entry	M20 x 1,5
Weight with cover	F1 = 0,6 kg, F2 = 1,7 kg, F3 = 3,0 kg
Weight with protective shroud UN	F1 = 1,5 kg, F2 = 2,6 kg, F3 = 5,4 kg
Protection class	Protection class depends on type. Standard is IP 65.





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