ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

All trademarks, brand names, and brands appearing herein are the property of their respective owners.

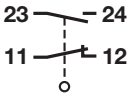
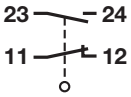
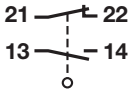
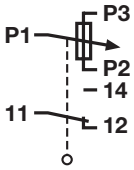
Find the *Bernstein F1-U1Z UN* at our website: *Click HERE*

Footswitches with single pedal

F1

Protection class IP 65

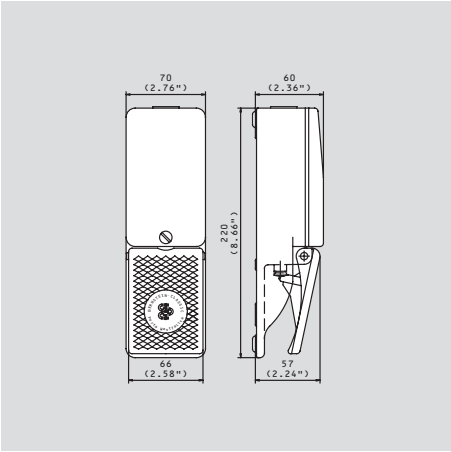


Designation	F1-U1Z	F1-U1Y	F1-SU1Z	F1-SU1 Mi RG
Part number	**606.1100.005**	**606.1100.001**	**606.1300.011**	**616.1300.327**
Circuit diagram				
[1]) pressure point				
Slow make & break/snap action	●/–	●/–	–/●	–/●
Pressure point	–	–	–	–
Latching switch	–	●	–	–
Potentiometer	–	–	–	● 10 kΩ 2 W [2])
Pedal interlocking	–	–	–	–
Emergency stop function	–	–	–	–
Power contactor	–	–	–	–
Voltage max.	500 V AC	500 V AC	500 V AC	250 V AC DC
Permanent current max.	10 A	10 A	10 A	5 A
In-rush current complies with standards	●	●	●	●
IEC 947-5-1 AC 15/DC 13				
Switching frequency max.	50/min.	50/min.	50/min.	20/min.
Mechanical life – number of switching actions	10 x 10^6	10 x 10^6	10 x 10^6	10 x 10^6
Mechanical life – number of revolutions	–	–	–	50 x 10^3 [3])
Operating temperature min./max.	–30 °C/+80 °C	–30 °C/+80 °C	–30 °C/+80 °C	–30 °C/+80 °C
	–22 °F/+176 °F	–22 °F/+176 °F	–22 °F/+176 °F	–22 °F/+176 °F
Approvals	BG, CSA, UL	BG, CSA, UL	BG, CSA, UL	–
Cable entry	1 x M 20	1 x M 20	1 x M 20	1 x M 20
Weight	0.60 kg/1.3 lb	0.60 kg/1.3 lb	0.60 kg/1.3 lb	0.75 kg/1.65 lb
Delivery: ex-stock/built to order	●/–	●/–	●/–	●/–

All dimensions in mm (inch)

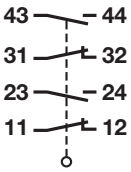
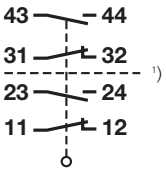
[2]) other resistance figures on request

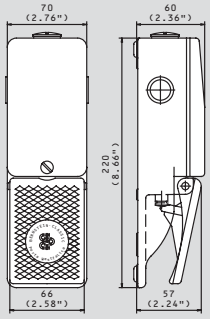
[3]) number of revolutions available up to 5 x 10^6



Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com



F1-U2Z	F1-U2Z D
606.1200.003	**606.1200.007**
	
●/–	●/–
–	●
–	–
–	–
–	–
–	–
–	–
500 V AC	500 V AC
10 A	10 A
●	●
50/min.	50/min.
10 x 10^6	10 x 10^6
–	–
–30 °C/+80 °C	–30 °C/+80 °C
–22 °F/+176 °F	–22 °F/+176 °F
BG, CSA, UL	BG, CSA, UL
3 x M 20	3 x M 20
0.60 kg/1.3 lb	0.70 kg/1.5 lb
●/–	●/–



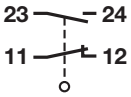
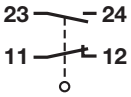
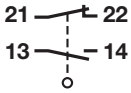
Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

Footswitches with single pedal (guarded)

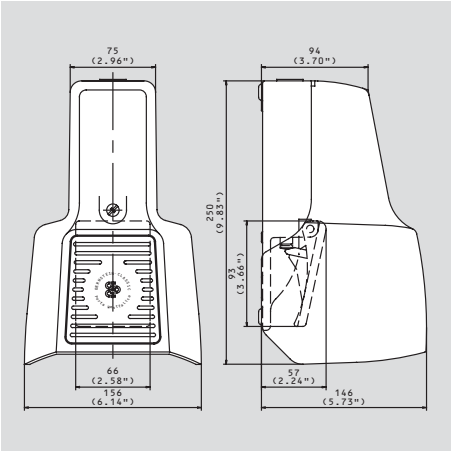
F1 UN

Protection class IP 65



Designation	F1-U1Z UN	F1-U1Y UN	F1-SU1Z UN
Part number	**606.1600.006**	**606.1600.002**	**606.1800.012**
Circuit diagram			
[1]) pressure point [2]) Emergency stop button – self latching			
Slow make & break/snap action	●/–	●/–	–/●
Pressure point	–	–	–
Latching switch	–	●	–
Potentiometer	–	–	–
Pedal interlocking	–	–	–
Emergency stop function	–	–	–
Power contactor	–	–	–
Voltage max.	500 V AC	500 V AC	500 V AC
Permanent current max.	10 A	10 A	10 A
In-rush current complies with standards	●	●	●
IEC 947-5-1 AC 15/DC 13			
Switching frequency max.	50/min.	50/min.	50/min.
Mechanical life – number of switching actions	10 x 10^6	10 x 10^6	10 x 10^6
Mechanical life – number of revolutions	–	–	–
Operating temperature min./max.	–30 °C/+80 °C	–30 °C/+80 °C	–30 °C/+80 °C
	–22 °F/+176 °F	–22 °F/+176 °F	–22 °F/+176 °F
Approvals	BG, CSA, UL	BG, CSA, UL	BG, CSA, UL
Cable entry	1 x M 20	1 x M 20	1 x M 20
Weight	1.50 kg/3.3 lb	1.50 kg/3.3 lb	1.50 kg/3.3 lb
Delivery: ex-stock/built to order	●/–	●/–	●/–

All dimensions in mm (inch)

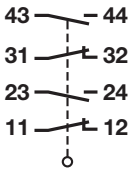
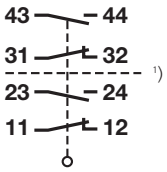
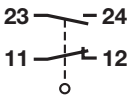
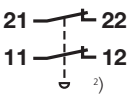
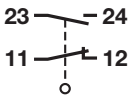


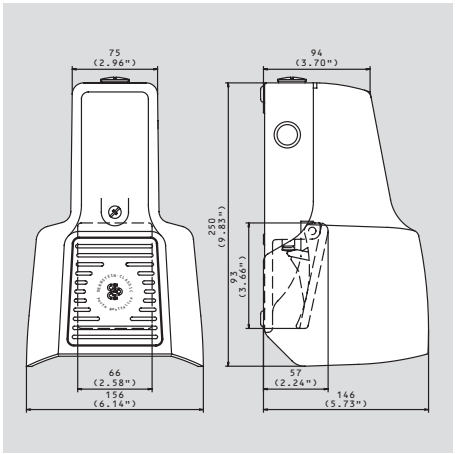
Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

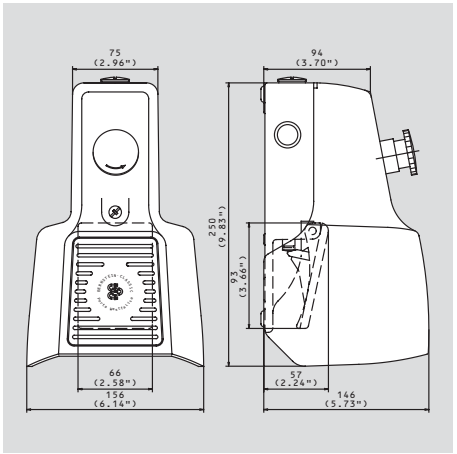


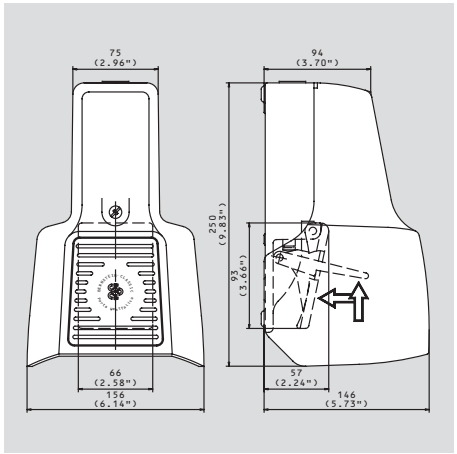




F1-U2Z UN	F1-U2ZD UN	F1-U1Z NA2 UN		F1-U1Z AT UN
606.1700.004	**606.1700.008**	**606.1600.435**		**616.1600.400**
				
●/–	●/–	●/–		●
–	●	–		–
–	–	–		–
–	–	–		–
–	–	–		●
–	–	●		–
–	–	–		–
500 V AC	500 V AC	500 V AC	600 V AC	500 V AC
10 A	10 A	10 A	10 A	10 A
●	●	●	–	●
50/min.	50/min.	50/min.		50/min.
10 x 10^6	10 x 10^6	10 x 10^6		10 x 10^6
–	–	–		–
–30 °C/+80 °C	–30 °C/+80 °C	–30 °C/+80 °C		–30 °C/+80 °C
–22 °F/+176 °F	–22 °F/+176 °F	–22 °F/+176 °F		–22 °F/+176 °F
BG, CSA, UL	BG, CSA, UL	BG, CSA, UL		BG, CSA, UL
3 x M 20	3 x M 20	3 x M 20		1 x M 20
1.50 kg/3.3 lb	1.60 kg/3.5 lb	1.60 kg/3.5 lb		1.50 kg/3.3 lb
●/–	●/–	●/–		–/●







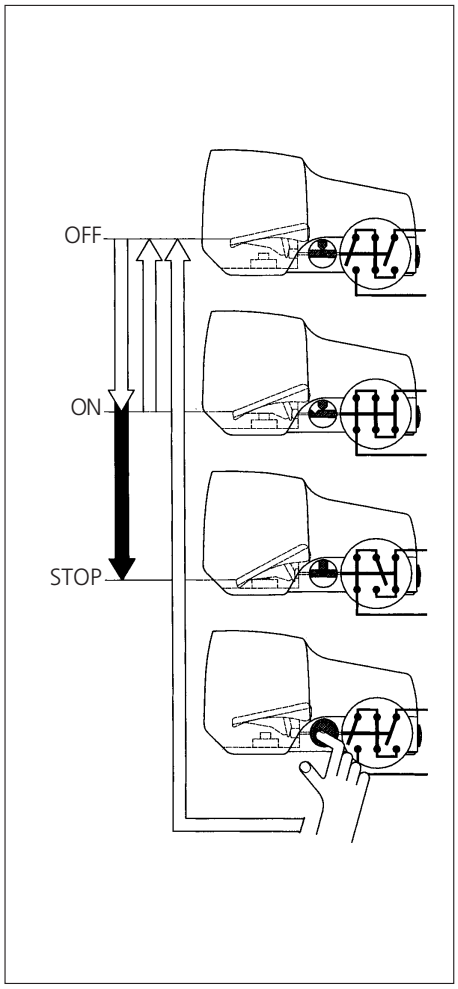
Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

Safety footswitch

Safety latch with manual reset

Protection class IP 65





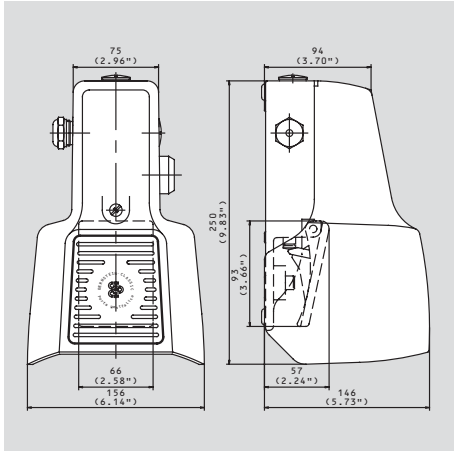
Designation		F1-SU1Z/UV1 DUN
Part number		**616.1000.203**
Circuit diagram		
¹) pressure point ²) latch		33 – 34 ²) 25 – 26 – – ¹) 13 – 14
Slow make & break/snap action		●/●
Pressure point		●
Latching switch		●
Potentiometer		–
Pedal interlocking		–
Emergency stop function		–
Power contactor		●
		–
Voltage	max.	500 V AC
Permanent current	max.	10 A
In-rush current complies with standards		●
IEC 947-5-1 AC 15/DC 13		
Switching frequency	max.	50/min.
Mechanical life – number of switching actions		10 x 10^6
Mechanical life – number of revolutions		
Operating temperature	min./max.	–30 °C/+80 °C –22 °F/+176 °F
Approvals		BG, UL, CSA
Cable entry		1 x M 20
Weight		1.50 kg/3.3 lb
Delivery: ex-stock/built to order		●/–

1. Depressing the pedal to the pressure point closes the contact and the operating process starts.

2. In an emergency situation the pressure point is overcome – the contact is opened and locked – the operating process is then interrupted. The latching mechanism holds the contact in the off position ensuring that an uncontrolled restart or new start of the machine cannot happen.

3. Interlocking: Only by releasing the locking device manually (reset button on the side of the housing), after the dangerous situation has been cleared, can the contacts be set to normal again. The operating process can then be repeated by operating the pedal to the pressure point.

All dimensions in mm (inch)



Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

We're here to make your life easier. How can we help you today?

(217) 352-9330 | sales@artisantg.com | artisantg.com

ARTISAN® TECHNOLOGY GROUP