

# SM2 Series (TUV approved)

## IP class IP54

By regulation, all tooling machines exported to Europe must bear the CE Mark. The products introduced herein are recognized as being EN-compliant (i.e., TUV-certified) and, therefore, may be used with confidence.

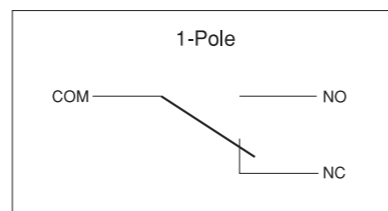
### Features

- The SM2 series (TUV approved) allows easy recomposition with each protection cover. The features and the model depend on the protection cover.

### Major Applications

Various machine tools, presses, medical appliances, other industrial machines.

### Contact structure



◆EN

## Specifications

Type	Rating	Initial Contact Resistance	Dielectric Strength	Insulation Resistance	Electrical Life	IP class	TUV Approved.No.
OFL-V-SM2	10A 250V AC	50mΩ Max.	AC2000V 1minute	100MΩ Min.	125,000Min. Operations	Spray resistant type IEC IP 54	B 09 06 15566 004 EN60204-1:2006
OFL-VG-SM2	0.1A 125V AC 0.1A 30V DC	50mΩ Max.	AC1500V 1minute	100MΩ Min.	1,000,000Min. Operations	Spray resistant type IEC IP 54	
OFL-ZG-SM2	0.1A 125V AC 0.1A 30V DC	50mΩ Max.	AC1250V 1minute	100MΩ Min.	2,000,000Min. Operations	Spray resistant type IEC IP 54	

※ without cable  
Applicable sheath outside diameter: φ8~φ11

◆ V TYPE: Solder terminal ◆ ZG TYPE: Screw terminal

## Type OFL- -SM2 series

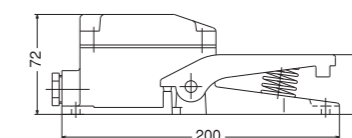
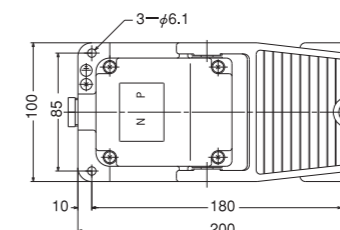
V Type	VG Type	ZG Type	Function	Contact	Operating	Weight
OFL-V-SM2	OFL-VG-SM2	OFL-ZG-SM2	Momentary	1	31N	820g
OFL-2V-SM2	OFL-2VG-SM2	OFL-2ZG-SM2	Momentary	2	31N	830g
OFL-TV-SM2	OFL-TVG-SM2	OFL-TZG-SM2	Momentary (Twin Type)	1 EACH SIDE	31N	2,340g
OFL-2TV-SM2	OFL-2TVG-SM2	OFL-2TZG-SM2	Momentary (Twin Type)	2 EACH SIDE	31N	2,350g
OFL-V-SM2C	OFL-VG-SM2C	OFL-ZG-SM2C	Momentary	1	31N	1,090g
OFL-2V-SM2C	OFL-2VG-SM2C	OFL-2ZG-SM2C	Momentary	2	31N	1,100g
OFL-TV-SM2C	OFL-TVG-SM2C	OFL-TZG-SM2C	Momentary (Twin Type)	1 EACH SIDE	31N	2,880g
OFL-2TV-SM2C	OFL-2TVG-SM2C	OFL-2TZG-SM2C	Momentary (Twin Type)	2 EACH SIDE	31N	2,890g
OFL-V-SM2K	OFL-VG-SM2K	OFL-ZG-SM2K	Momentary	1	31N	1,690g
OFL-2V-SM2K	OFL-2VG-SM2K	OFL-2ZG-SM2K	Momentary	2	31N	1,700g
OFL-TV-SM2K	OFL-TVG-SM2K	OFL-TZG-SM2K	Momentary (Twin Type)	1 EACH SIDE	31N	4,080g
OFL-2TV-SM2K	OFL-2TVG-SM2K	OFL-2TZG-SM2K	Momentary (Twin Type)	2 EACH SIDE	31N	4,090g
OFL-V-SM2KS	OFL-VG-SM2KS	OFL-ZG-SM2KS	Momentary	1	31N	2,090g
OFL-2V-SM2KS	OFL-2VG-SM2KS	OFL-2ZG-SM2KS	Momentary	2	31N	2,100g
OFL-TV-SM2KS	OFL-TVG-SM2KS	OFL-TZG-SM2KS	Momentary (Twin Type)	1 EACH SIDE	31N	5,060g
OFL-2TV-SM2KS	OFL-2TVG-SM2KS	OFL-2TZG-SM2KS	Momentary (Twin Type)	2 EACH SIDE	31N	5,070g

## Type

## Dimension

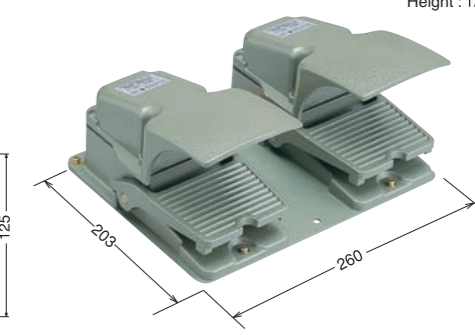
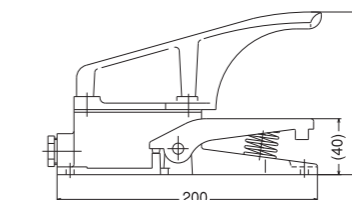
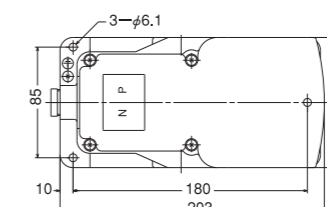
## Twin Type Foot Switch

- SM2 Standard (Cover)
- Type SM2 Series
  - w/ seal connector (G1/2 screw)



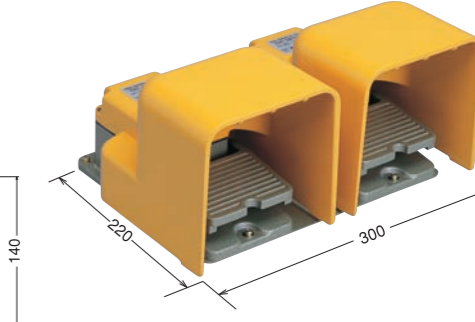
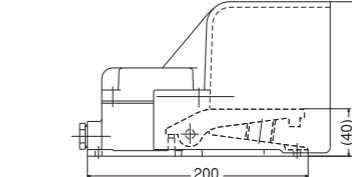
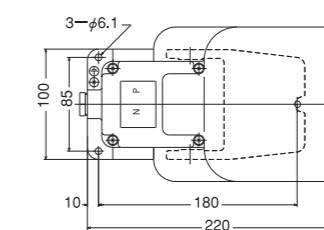
Height : 74

- With guard
- Type SM2C Series



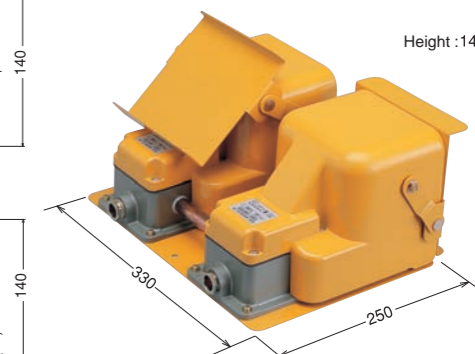
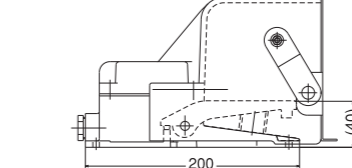
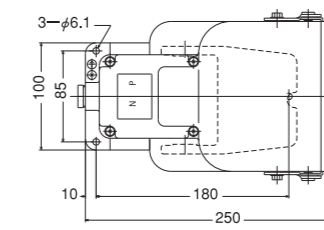
Height : 127

- With shield
- Type SM2K Series



Height : 142

- With safety cover
- Type SM2KS Series



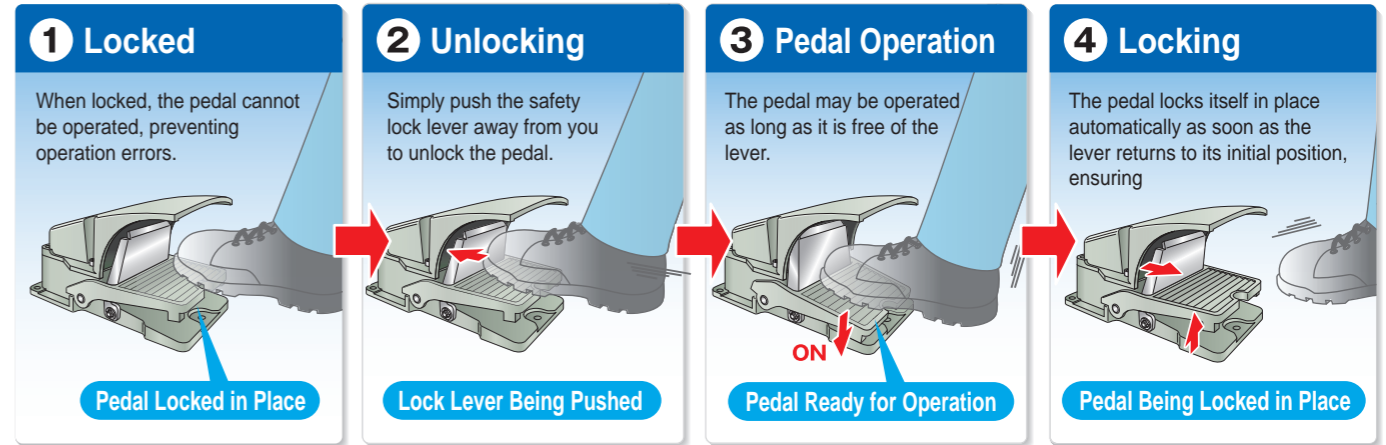
Height : 142

# SM2 S4 Series (TUV approved)

## With pedal lock safety lever



Generating of the trouble by “the thing was dropped”, “the pedal having been stepped on carelessly”, etc. It is the foot switch which attached the object for malfunction prevention of OJIDEN, and the pedal lock safety lever “S4” in SM2 type series.



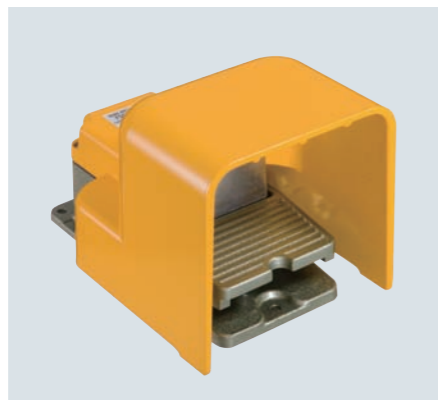
### Operation of pedal lock safety lever

It works a pedal during bringing down lever within broken line circle to arrow direction (the front) and on and the leg is separated and it is automatic off and the lever return and lock.

### ● OFL--SM2CS4 Type (With protection cover)



### ● OFL--SM2KS4 Type (With shield cover)



### ● OFL--SM2KSS4 Type (With safety cover)



### Specifications

Type	Rating	Initial Contact Resistance	Dielectric Strength	Insulation Resistance	Electrical Life	IP class	TUV Approved.No.
OFL--SM2CS4	10A 250V AC	50mΩ Max.	AC2000V 1minute	100MΩ Min.	125,000Min. Operations	Spray resistant type IEC IP 54	B 09 06 15566 004 EN60204-1:2006
OFL--SM2CS4	0.1A 125V AC 0.1A 30V DC	50mΩ Max.	AC1500V 1minute	100MΩ Min.	1,000,000Min. Operations	Spray resistant type IEC IP 54	
OFL--SM2CS4	0.1A 125V AC 0.1A 30V DC	50mΩ Max.	AC1250V 1minute	100MΩ Min.	2,000,000Min. Operations	Spray resistant type IEC IP 54	

※ without cable  
Applicable sheath outside diameter: φ8~φ11  
◆ TYPE: Solder terminal ◆ TYPE: Screw terminal

### ■ Type OFL--SM2 S4 series

Type	Type	Type	Function	Contact	Operating	Weight
OFL-  -SM2CS4	OFL-  -SM2CS4	OFL-  -SM2CS4	Momentary	1	31N	1240g
OFL- 2 -SM2CS4	OFL- 2 -SM2CS4	OFL- 2 -SM2CS4	Momentary	2	31N	1250g
OFL- TV -SM2CS4	OFL- TVG -SM2CS4	OFL- TZG -SM2CS4	Momentary (Twin Type)	1 EACH SIDE	31N	3180g
OFL-2TV-SM2CS4	OFL-2TVG-SM2CS4	OFL-2TZG-SM2CS4	Momentary (Twin Type)	2 EACH SIDE	31N	3190g
OFL-  -SM2KS4	OFL-  -SM2KS4	OFL-  -SM2KS4	Momentary	1	31N	1840g
OFL- 2 -SM2KS4	OFL- 2 -SM2KS4	OFL- 2 -SM2KS4	Momentary	2	31N	1850g
OFL- TV -SM2KS4	OFL- TVG -SM2KS4	OFL- TZG -SM2KS4	Momentary (Twin Type)	1 EACH SIDE	31N	4380g
OFL-2TV-SM2KS4	OFL-2TVG-SM2KS4	OFL-2TZG-SM2KS4	Momentary (Twin Type)	2 EACH SIDE	31N	4390g
OFL-  -SM2KSS4	OFL-  -SM2KSS4	OFL-  -SM2KSS4	Momentary	1	31N	2240g
OFL- 2 -SM2KSS4	OFL- 2 -SM2KSS4	OFL- 2 -SM2KSS4	Momentary	2	31N	2250g
OFL- TV -SM2KSS4	OFL- TVG -SM2KSS4	OFL- TZG -SM2KSS4	Momentary (Twin Type)	1 EACH SIDE	31N	5360g
OFL-2TV-SM2KSS4	OFL-2TVG-SM2KSS4	OFL-2TZG-SM2KSS4	Momentary (Twin Type)	2 EACH SIDE	31N	5370g

