

# Limit, Foot & Micro Switches



**FR SERIES** (Position Switch for Normal Duty)



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**FP SERIES** (Position Switch for Heavy Duty) - Polymer



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**FD SERIES** (Position Switch for Heavy Duty) - Metal



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**SAFETY SWITCH** (KEY ACTUATOR & ROPE)



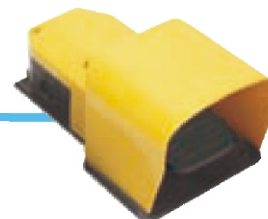
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**MV MICROSWITCH SERIES**



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**PA & PX SINGLE FOOT SERIES**



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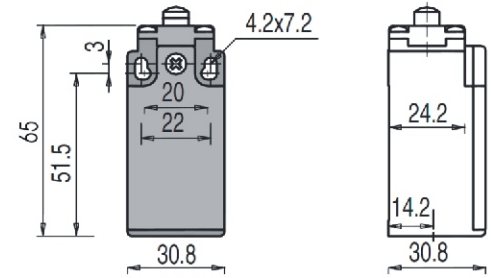
All Prices Exclude VAT and are subject to change without prior notice.

# LIMIT SWITCHES

## FR SERIES (Position Switch for Normal Duty)

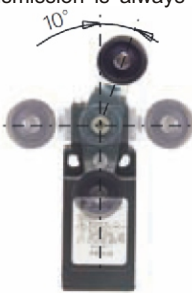
Specifications	
<b>Material:</b>	Glass-reinforced polymer, self-extinguishing, shock-proof thermoplastic resin with double insulation.
<b>Protection:</b>	IP67
<b>Thermal Rating:</b>	10 amps 500VAC
<b>Temperature:</b>	-25°C to +80°C
<b>Contact Block:</b>	Standard 1NO + 1NC (snap action)

### Dimensions



### Adjustable levers

In switches with a revolving lever it is possible to adjust the lever in 10° steps for the whole 360° range. The positive movement transmission is always guaranteed thanks to the geometrical coupling between the lever and the revolving shaft as prescribed for safety applications by the German standard BG-GS-ET-15.



### Overturning levers

Levers can be turned over and fastened to the switch while still maintaining the positive coupling. It is therefore possible to obtain two different work plans for the lever.



### Rotating heads

In all switches it is possible to rotate the head in 90° steps.



<b>PARTNO</b>	FR501	FR502	FR505	FR507	FR515	FR554
<b>Price</b>	<a href="#">Click here for the PRICELIST</a>					

<b>PARTNO</b>	FR520	FR521	FR525	FR550	FR555	FR569
<b>Price</b>	<a href="#">Click here for the PRICELIST</a>					

stainless steel round rod      glass fibre rod



CONTACT BLOCKS	1NO+1NC snap action	2NC slow action	2NO slow action
<b>PARTNO</b>	VFB5	VFB9	VFB10
<b>Price</b>	<a href="#">Click here for the PRICELIST</a>		



CABLE ENTRY

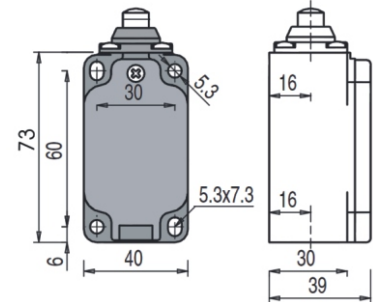
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# LIMIT SWITCHES

## FP SERIES (Position Switch for Heavy Duty)

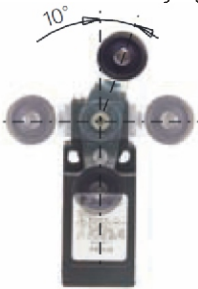
Specifications	
<b>Material:</b>	Glass-reinforced polymer, self-extinguishing, shock-proof thermoplastic resin with double insulation.
<b>Protection:</b>	IP67
<b>Thermal Rating:</b>	10 amps 500VAC
<b>Temperature:</b>	-25°C to +80°C
<b>Contact Block:</b>	Standard 1NO + 1NC (snap action)

### Dimensions



### Adjustable levers

In switches with a revolving lever it is possible to adjust the lever in 10° steps for the whole 360° range. The positive movement transmission is always guaranteed thanks to the geometrical coupling between the lever and the revolving shaft as prescribed for safety applications by the German standard BG-GS-ET-15.



### Overturning levers



Levers can be turned over and fastened to the switch while still maintaining the positive coupling. It is therefore possible to obtain two different work plans for the lever.

### Rotating heads

In all switches it is possible to rotate the head in 90° steps.



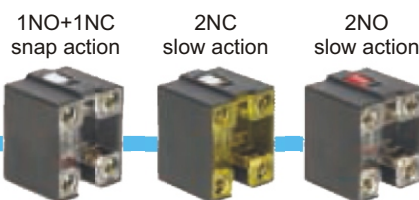
<b>PARTNO</b>	FP501	FP502	FP505	FP515	FP531	FP532
<b>Price</b>	<a href="#">Click here for the PRICELIST</a>					



<b>PARTNO</b>	FP520	FP521	FP525	FP535	FP1635	FP536
<b>Price</b>	<a href="#">Click here for the PRICELIST</a>					



### CONTACT BLOCKS



<b>PARTNO</b>	VFB5	VFB9	VFB10
<b>Price</b>	<a href="#">Click here for the PRICELIST</a>		



### CABLE ENTRY

All Prices Exclude VAT and are subject to change without prior notice.

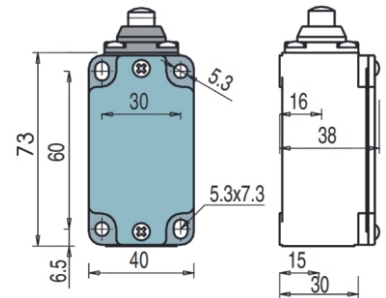
# LIMIT SWITCHES

## FD SERIES (Position Switch for Heavy Duty)

### Specifications

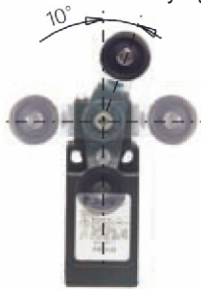
**Material:** Metal housing, coated with baked epoxy powder.  
**Protection:** IP67  
**Thermal Rating:** 10 amps 500VAC  
**Temperature:** -25°C to +80°C  
**Contact Block:** Standard 1NO + 1NC (snap action)

### Dimensions



### Adjustable levers

In switches with a revolving lever it is possible to adjust the lever in 10° steps for the whole 360° range. The positive movement transmission is always guaranteed thanks to the geometrical coupling between the lever and the revolving shaft as prescribed for safety applications by the German standard BG-GS-ET-15.



### Overturning levers

Levers can be turned over and fastened to the switch while still maintaining the positive coupling. It is therefore possible to obtain two different work plans for the lever.

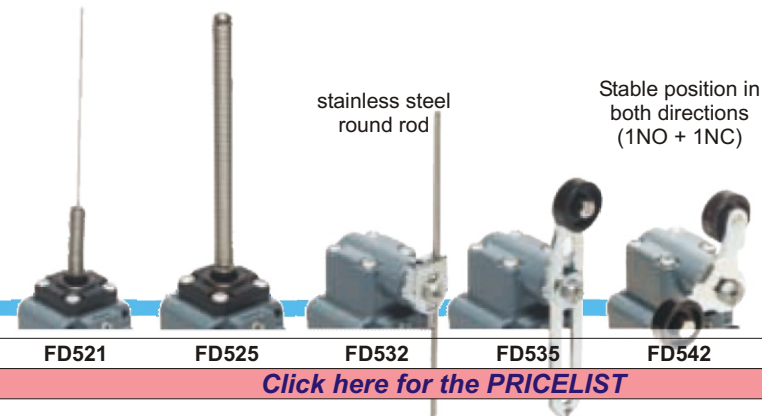


### Rotating heads

In all switches it is possible to rotate the head in 90° steps.



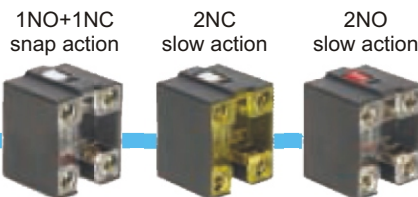
<b>PARTNO</b>	FD501	FD502	FD504	FD531
<b>Price</b>	<a href="#">Click here for the PRICELIST</a>			



<b>PARTNO</b>	FD521	FD525	FD532	FD535	FD542
<b>Price</b>	<a href="#">Click here for the PRICELIST</a>				



### CONTACT BLOCKS



<b>PARTNO</b>	VFB5	VFB9	VFB10
<b>Price</b>	<a href="#">Click here for the PRICELIST</a>		



### CABLE ENTRY

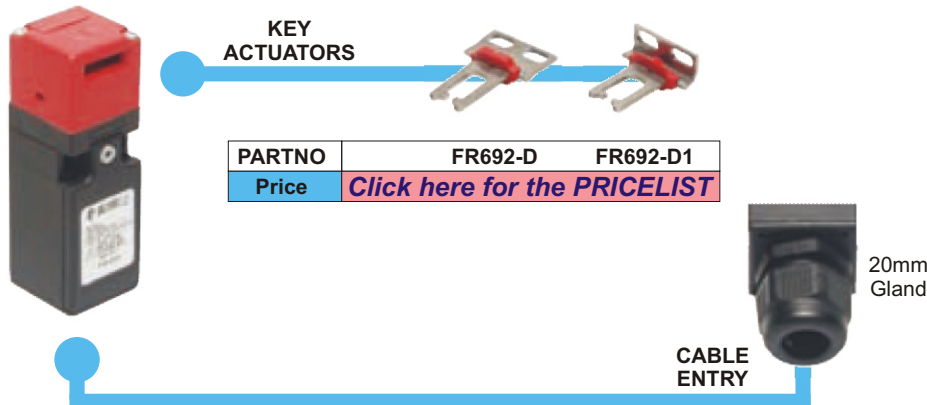
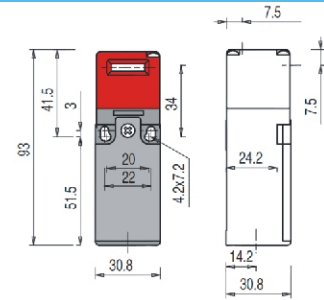
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## LIMIT SWITCHES

### SAFETY SWITCH with KEY ACTUATOR (Normal Duty)

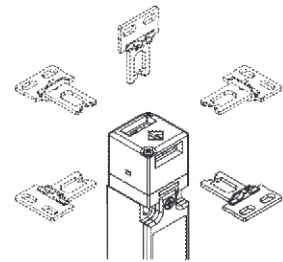
Specifications	
<b>Material:</b>	Glass-reinforced polymer, self-extinguishing, shock-proof thermoplastic resin with double insulation.
<b>Protection:</b>	IP67 (electrical contacts)
<b>Thermal Rating:</b>	10 amps 500VAC
<b>Temperature:</b>	-25°C to +80°C
<b>Contact Block:</b>	1NO + 1NC (slow action)

### Dimensions



### Rotating head

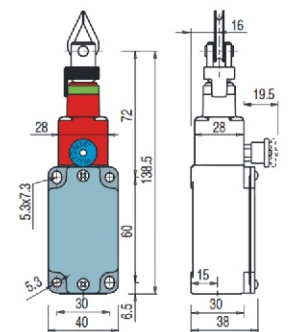
By removing the head fastening screws, the head can be rotated in 90° steps.



### ROPE SAFETY SWITCH (Heavy Duty)

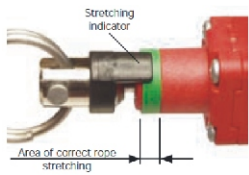
Specifications	
<b>Material:</b>	Metal housing, coated with baked epoxy powder.
<b>Protection:</b>	IP67
<b>Thermal Rating:</b>	10 amps 500VAC
<b>Temperature:</b>	-25°C to +80°C
<b>Contact Block:</b>	1NO + 1NC (slow action)

### Dimensions



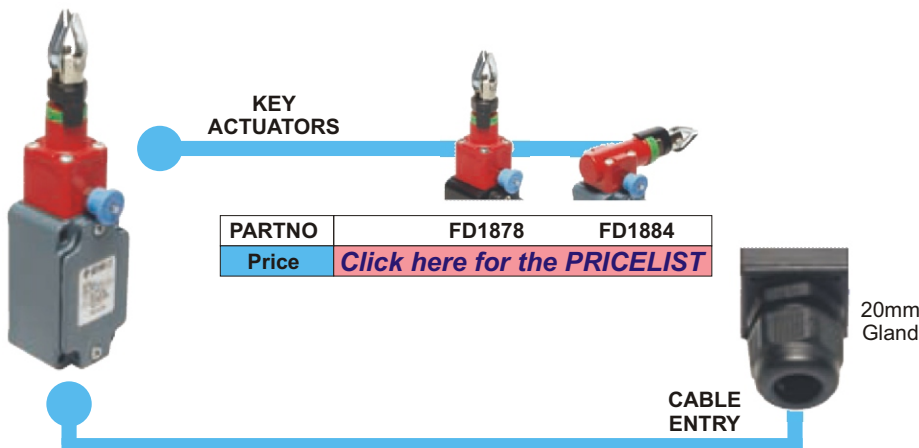
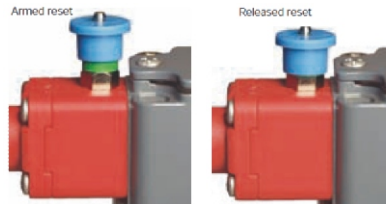
### Rope regulation point indicator

A green ring shows the position at which the reset button can be activated. Stretch the rope until the black indicator is in the middle of the green area.



### Reset button indicator

The green indicator ring below the reset button shows the status of the switch.



### Rotating heads

By removing the head fastening screws, the head can be rotated in 90° steps.



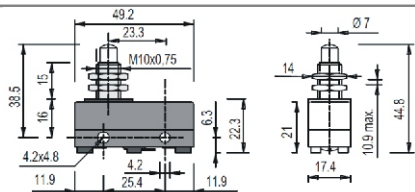
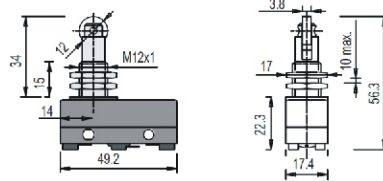
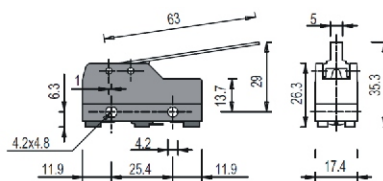
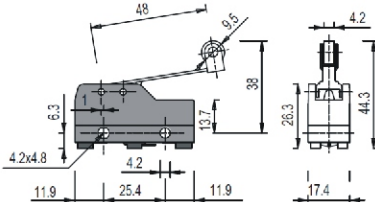
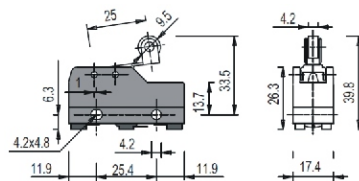
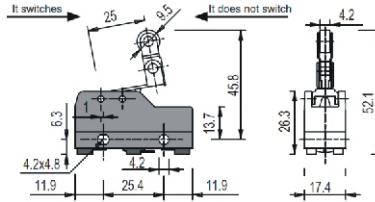
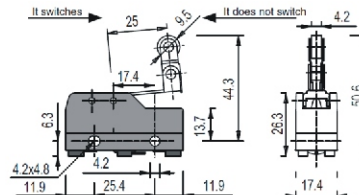
# MICROSWITCHES

## MV SERIES

### SPECIFICATIONS

**Material:** Glass-reinforced polymer, self-extinguishing, shock-proof thermoplastic resin  
**Resistive Load:** 16 amp 250 volt  
**Inductive Load:** 5 amp 250 volt  
**Temperature:** -25°C to +80°C  
**Terminals:** Screw type  
**Contacts:** 1NO + 1NC



PARTNO	DESCRIPTION	DIMENSIONS	
MV09	Plunger		
MV15	Roller Plunger		
MV30	Lever - 63mm		
MV40	Roller Lever - 48mm		
MV45	Roller Lever - 25mm		
MV47	Roller Lever - 25mm One Way Switching		
MV57	Roller Lever - 25mm One Way Switching		

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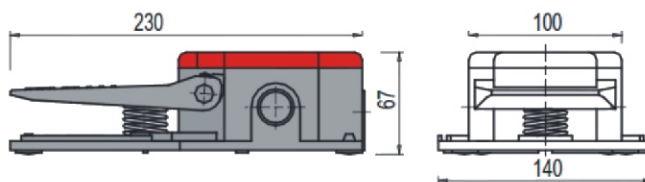
## FOOT SWITCHES

### PA & PX SINGLE FOOT SERIES

#### SPECIFICATIONS

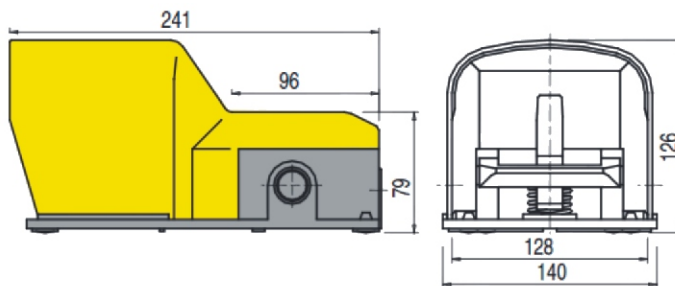
**Material:** Glass-reinforced polymer, self-extinguishing, shock-proof thermoplastic resin with double insulation.  
**Protection:** IP53  
**Thermal Rating:** 10 amps 500VAC  
**Temperature:** -25°C to +80°C

PARTNO	CONTACTS	COLOUR	DESCRIPTION
<b>OPEN TYPE</b>			
PA20100	1NO + 1NC	Red	NON LOCKING
PA20120	1NO + 1NC	Red	with LOCK MECHANISM



#### ENCLOSED TYPE

PX10110	1NO + 1NC	Yellow	NON LOCKING
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#### ACCESSORIES

VFB501	1NO + 1NC	Contact block for Foot Switches
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Click here for the PRICELIST

