# Miniature Pre-Cabled Limit Switches FA

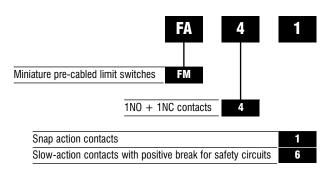


Miniature, high accuracy, pre-cabled limit switches with robust metal cases conforming to standards NF C63-140 and NF C63-145 class Y2

■ Positive break versions for safety circuits in conformity with BS60947-5-1, VDE 0660 part 206 and IEC 337-1

- Double-break Zb contacts with electrically separate NO and NC circuits
- Snap-action types
- Mounting holes are counterbored to keep screw heads within switch housing dimensions
- Standard types can be mounted using side holes or the screws in the top which also secure the actuator
- Threaded-head mounting models
- Actuator heads can be removed and rotated
- Plunger types are suitable for gang-mounting
- Lever type Lever can be adjusted over 360° in 10° increments
- IP67
- UL and CUL approved

#### **Options and ordering codes**



01	- 2DN*  Actuators: Switch mounted by the case
01	Stainless steel piston plunger
02	One way operation roller
08	Sealed piston plunger
15	In-line roller piston plunger
17	Transverse roller piston plunger
31	Roller lever with small offset
40	Roller lever with large offset
50	Adjustable stainless steel rod lever
	Switch mounted by threaded head
10	Stainless steel piston plunger
11	In-line roller piston plunger
12	Transverse roller piston plunger
13	Sealed piston plunger

\*Versions available with 5 metre cable. Contact IMO for other available options

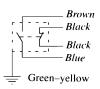
## **Contact ratings**

BS/EN 60947-5-1 AC15 – Control of AC electromagnetic	120VAC	6A
loads>72VA sealed – replaces AC11	240VAC	4A
	400VAC	3A
DC13 – Control of DC electromagnetic	24VDC	2.5A
loads where the time taken to reach	125VDC	0.55A
95% of the rated current is equal to	250VDC	0.27A

6 times the power of the load (where P>50W) – replaces DC11

### **Wiring connections**

Note: The positive break applies to the NC wires of the type 6 contacts only. Connections to safety circuits should be made to the black wires only. Connections to safety circuits should NOT be made using the type 1 contacts. Slow action contacts are break before make. To ensure positive breaking of the NC contacts on the type 6 models, exceed the pre-travel by 1.5mm or 25°, according to the model.



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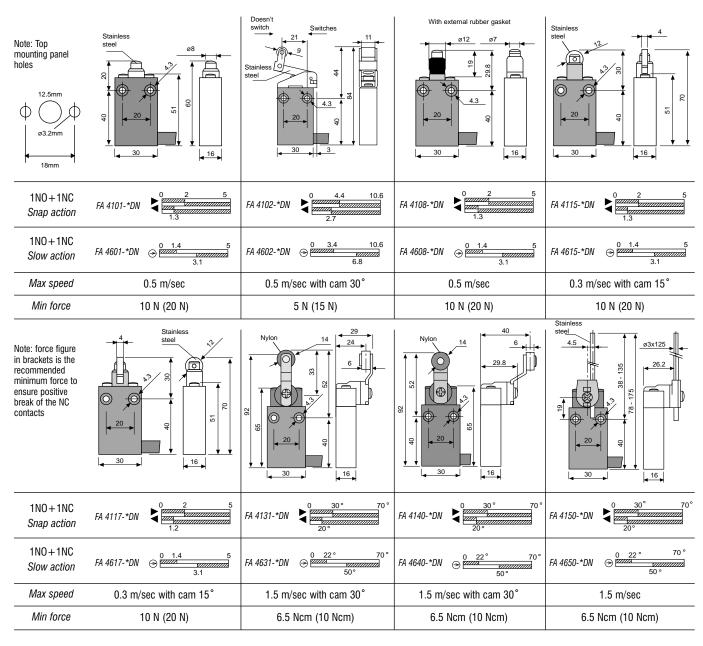


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#### **Specification**

Rated thermal current Ith	10A	
Rated working voltage	500VAC/600VDC	
Maximum operating frequency	6000/hour	
Mechanical life	20 million operations	
Contact form	1NO + 1NC	
Initial contact resistance	<20 m0hms	
Contact material	silver	
Repeat accuracy	0.01mm	
Dielectric strength	4000V between current carrying parts and ground	
Protection rating	IP67	
Ambient operating temperature	-25 to +75 deg. C	
Cable	5 core, 0.75mm2 x 2 metres long	
Short-circuit protection required	10A HRC quick blow max.	
Housing material	die cast metal alloy	

#### **Dimensions and characteristics**



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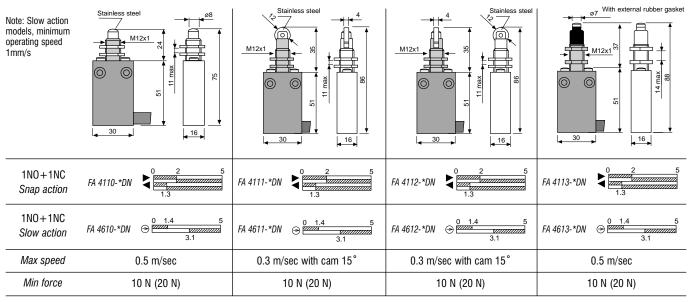


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FA/03/03

#### **Dimensions and characteristics** continued

#### Secured by threaded head only



<sup>\* =</sup> Cable length

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