

Miniature Pre-Cabled Limit Switches FA



continued

Specification

Rated thermal current I _{th}	10A
Rated working voltage	500VAC/600VDC
Maximum operating frequency	6000/hour
Mechanical life	20 million operations
Contact form	1NO + 1NC
Initial contact resistance	<20 mOhms
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, 0.75mm x 2 metres long
Short-circuit protection required	10A HRC quick blow max.
Housing material	die cast metal alloy

Dimensions and characteristics

<p>Note: Top mounting panel holes</p>		<p>Doesn't switch</p>	<p>With external rubber gasket</p>	
	<p>1NO+1NC Snap action</p> <p>FA 4101-*DN</p>	<p>FA 4102-*DN</p>	<p>FA 4108-*DN</p>	<p>FA 4115-*DN</p>
<p>1NO+1NC Slow action</p> <p>FA 4601-*DN</p>	<p>FA 4602-*DN</p>	<p>FA 4608-*DN</p>	<p>FA 4615-*DN</p>	
<p>Max speed</p>	0.5 m/sec	0.5 m/sec with cam 30°	0.5 m/sec	0.3 m/sec with cam 15°
<p>Min force</p>	10 N (20 N)	5 N (15 N)	10 N (20 N)	10 N (20 N)
<p>Note: force figure in brackets is the recommended minimum force to ensure positive break of the NC contacts</p>				
	<p>1NO+1NC Snap action</p> <p>FA 4117-*DN</p>	<p>FA 4131-*DN</p>	<p>FA 4140-*DN</p>	<p>FA 4150-*DN</p>
<p>1NO+1NC Slow action</p> <p>FA 4617-*DN</p>	<p>FA 4631-*DN</p>	<p>FA 4640-*DN</p>	<p>FA 4650-*DN</p>	
<p>Max speed</p>	0.3 m/sec with cam 15°	1.5 m/sec with cam 30°	1.5 m/sec with cam 30°	1.5 m/sec
<p>Min force</p>	10 N (20 N)	6.5 Ncm (10 Ncm)	6.5 Ncm (10 Ncm)	6.5 Ncm (10 Ncm)

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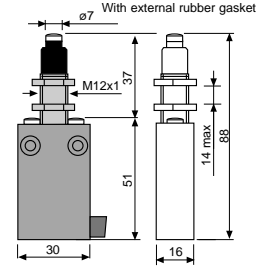
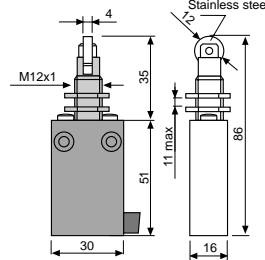
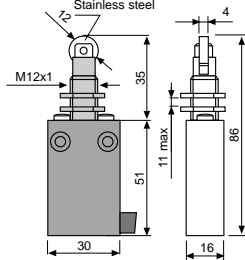
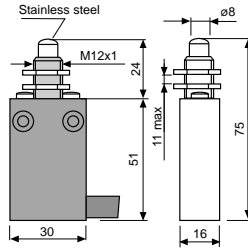


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Dimensions and characteristics continued

Secured by threaded head only

Note: Slow action models, minimum operating speed 1mm/s



1NO+1NC Snap action	FA 4110-*DN	FA 4111-*DN	FA 4112-*DN	FA 4113-*DN
1NO+1NC Slow action	FA 4610-*DN	FA 4611-*DN	FA 4612-*DN	FA 4613-*DN
Max speed	0.5 m/sec	0.3 m/sec with cam 15°	0.3 m/sec with cam 15°	0.5 m/sec
Min force	10 N (20 N)	10 N (20 N)	10 N (20 N)	10 N (20 N)

* = Cable length