

# Rails for Switches and Sensors / Bar Nuts

L Configurable, Calibrated (Shape A, B and C) / Rails for Photomicrosensors / Standard / With Nut Retainer

**Feature:** Calibrated rails facilitate setup of sensors.

**L Configurable, Calibrated** RoHS

Part Number	Material	Surface Treatment
SENAS	6063-15 Aluminum Alloy	Clear Anodize
SENBS		
SENCS		

⚠ No anodizing on the ends and inner surface.  
⚠ Burrs remain inside of the mounting holes.  
⚠ Rail will be cut at an arbitrary place and an actual scale will not be the same as shown above. The scale does not have numbers.

**L Configurable, Calibrated** (No. indicates the applicable nut size. For Shape A (SENAS), the inside of groove is slightly milled.)

Part Number	L 1mm Increment	Unit Price
SENAS	50-200	
SENBS		
SENCS		

Ordering Example: Part Number - L  
SENAS3 - 100  
SENCS3 - 150

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**Rails for Photomicrosensors** RoHS

**MPSEN7** **MPSEN19**

Material: Low Carbon Steel  
Surface Treatment: Trivalent Chromate

Part Number	Type	Pitch	L	Unit Price
MPSEN		7, 19	50 60 70 80 90 100	

Ordering Example: Part Number - L  
MPSEN7 - 70

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**Bar Nuts** RoHS

Type	Material	Surface Treatment
SQNH	Low Carbon Steel	Trivalent Chromate
SQNS	304 Stainless Steel	-

(Standard) SQNH SQNS

(w/Nut Retainer) SQNH

⚠ Tapped holes may be somewhat deformed by manufacturing process. (It does NOT affect fitting.)

Ordering Example: Part Number - A - P  
SQNH4 - 36 - 25.4

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Alterations: Part Number - A - (PC)  
SQNH4 - 28 - PC13 [Configure Online](#)

Part Number	Type	M	A		B	SQNH		SQNS		SQNH	
			15	8		Unit Price	Volume Discount Rate	Unit Price	Volume Discount Rate	Unit Price	Volume Discount Rate
SQNH	2	15	8	4.0	1.6	1.5	-	-	-	-	-
			18	5.4	2.3	2.0	-	-	-	-	
			20	5.4	2.3	2.0	-	-	-	-	
			25	6.8	3.2	2.0	-	-	-	-	
			32	7.8	3.2	-	-	-	-	-	
SQNS	3	15	6 (6.3)	4.0	1.6	1.5	-	-	-	-	-
			7*	5.4	2.3	2.0	-	-	-	-	
			9	5.4	2.3	2.0	-	-	-	-	
			10*	5.4	2.3	2.0	-	-	-	-	
			12*	5.4	2.3	2.0	-	-	-	-	
SQNH	4	15	8	4.0	1.6	1.5	-	-	-	-	-
			16	5.4	2.3	2.0	-	-	-	-	
			18	5.4	2.3	2.0	-	-	-	-	
			20	5.4	2.3	2.0	-	-	-	-	
			25	6.8	3.2	2.0	-	-	-	-	
SQNS	5	15	8	4.0	1.6	1.5	-	-	-	-	-
			10	5.4	2.3	2.0	-	-	-	-	
			12	5.4	2.3	2.0	-	-	-	-	
			20	5.4	2.3	2.0	-	-	-	-	
			25	6.8	3.2	2.0	-	-	-	-	

Alteration Code Spec. Price Adder

Alteration	Code	Spec.	Price Adder
Pitch Dimension	PC	Changes the hole pitch. PC=1mm increment (P Specification is not required). SQNH is not applicable.	
	M	PC Range	
	2	4≤PC≤A-5	
	3	5≤PC≤A-6	
	4	7≤PC≤A-8	
	5	10≤PC≤A-10	

⚠ When ordering more than 100 pcs, please request a quotation.

# Rails for Switches and Sensors / Rail Mount Fittings / Nuts for Rail

Steel, L Selectable / L and Hole Position Configurable

**Feature:** Made of steel. Rails for large switches and sensors. Suitable when rigidity is required.

**Steel Rails** RoHS

(L Selectable) **2RU**

(L and Hole Position Configurable) **2RUS**

⚠ No trivalent chromate treated on the ends and inner surface.  
Material: Low Carbon Steel Surface Treatment: Trivalent Chromate

Part Number	L	Unit Price Qty. 1-9	Volume Discount Rate 10-50	Part Number	1mm Increment
2RU	100			2RUS	OH (No Hole)
	200				2H
	300			3H	50-1200
	400			4H	10-1190
	500			5H	
	600				
	1000				
1500					

For orders larger than indicated quantity, please request a quotation.

Ordering Example: Part Number - L - V - W - X - Y - Z  
2RU - 400  
2RUSSH - 660 - V30 - W180 - X330 - Y480 - Z630

Days to Ship [Configure Online](#)

2RU can be mounted in two ways. It can be screwed on by inserting rail mount fittings (2P) into both ends, or weld the rails directly onto a machine.  
For attachment of 2RUS, use M6 hex socket head cap screws. Applicable nut is RFM5. The RFM5 and the screws will not interfere as shown in the example.

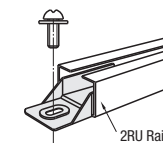
Price [Configure Online](#)

**Rail Mount Fittings** RoHS

**2P**

Material: Low Carbon Steel  
Surface Treatment: Trivalent Chromate

**How to Attach 2P**



- Insert the nuts from either end of the rail. (Tap in lightly with a hammer.)
- An RFM nut can be inserted with the 2P fitting attached.

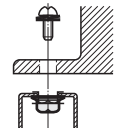
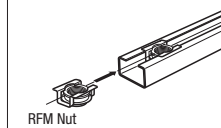
**Nuts for Rail** RoHS

**RFM5**

Part	Material	Surface Treatment
Frame	304H Stainless Steel	-
Nut	304H Carbon Steel (Carbon Free Steel (CFS))	Trivalent Chromate

**How to Attach RFM Nuts**

- RFM and RXM nuts utilize stainless steel spring tension to prevent from falling even when installed on vertical rails.



Mounting of Parts

**Nuts for Rail** RoHS

**RXM5**

Part	Material	Surface Treatment
Frame	304 Stainless Steel	-
Nut	1018 Carbon Steel	Trivalent Chromate

**How to Attach RXM Nuts**

- The RXM nuts can easily be attached in the middle of a rail to facilitate convenient component additions even after the machine building has been completed.



Place the RXM nut's spring tip on the rail groove and press it with fingers.



Slightly lift the other side of the RXM nut together with its spring, and push it into the rail groove.



Push the center and either side of the RXM nut diagonally with a fingernail.



The RXM nut insertion completed.

Part Number	Unit Price	Volume Discount Rate
2P	1-99 pc(s).	100-149 150-199 200-299
RFM5		
RXM5		

For orders larger than indicated quantity, please request a quotation.

Ordering Example: Part Number - 2P - RFM5  
Days to Ship [Configure Online](#)