

D4E Limit Switch

Coolant-Resistant Model



Part No: D4E-1A23N-FH-M1J 0.3M

D4E Limit Switch

Coolant-Resistant Model



Benefits

- Omron-developed rubber seal dramatically increases the durability against coolant exposure
- The durability of the “Coolant-Resistant Model” is 4 times longer than standard (Non-resistant) model
- Quick and correct connection saves customers’ maintenance cost

Standard type



Coolant-Resistant Model



Coolant-Resistant Model

4 years or more

Standard

1 year

Durability



D4E Limit Switch

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Target Industry: Machine Tool

► **Find customers who use limit switches and coolant**

► **Ask questions of your customers:**

- Are they aware of the maintenance cost for switches?
- How much are the labor cost to replace switches?
- Do they know the cost of machine downtime during maintenance?
- Do they have to replace switches often and if so, why?

Solution

**Use coolant-proof type
D4E-1A23N-FH-M1J 0.3M**

Result

**Save Switch maintenance
cost 4 times or more!!**



D4E Limit Switch

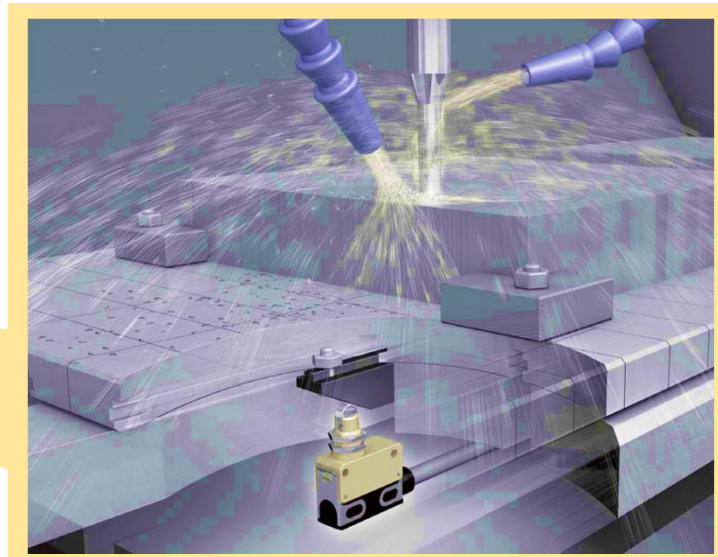
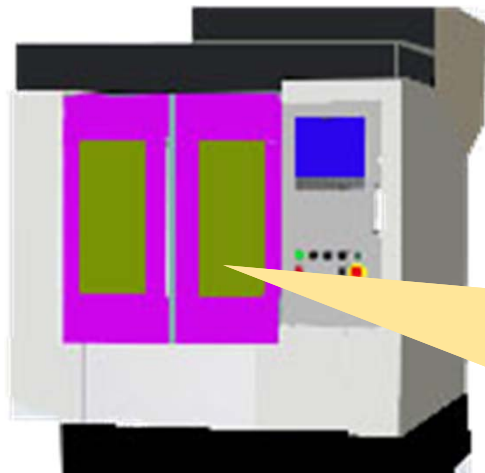
Coolant-Resistant Model



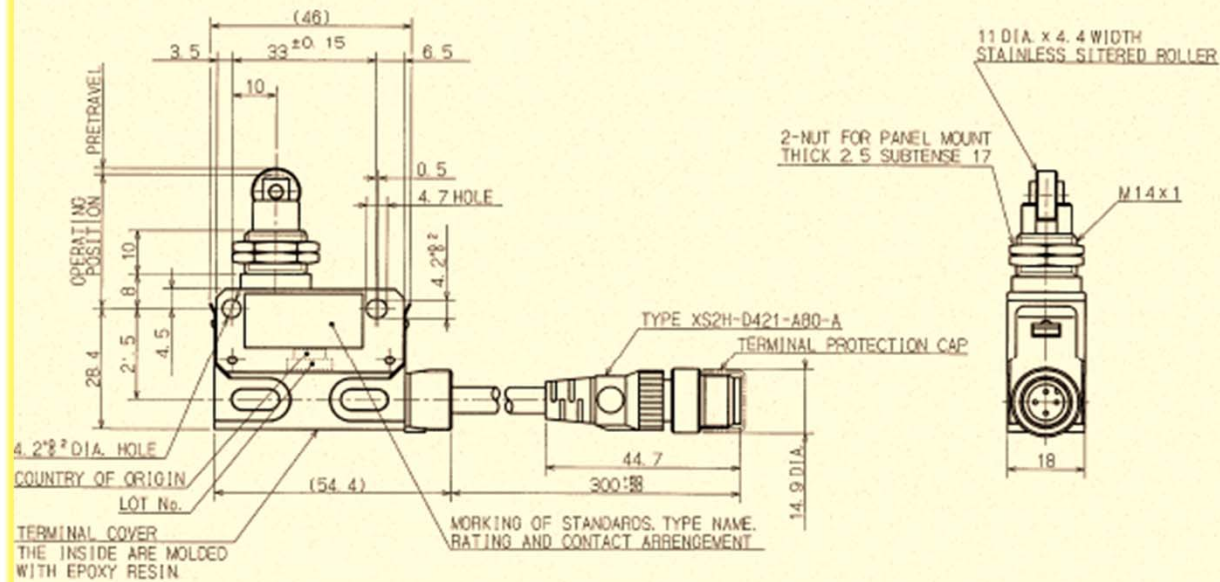
Target Application: Machine Tool/Processing Machine

- ▶ **Detect Table Position, especially Tapping Machine**
Expected usage is 6 to 9 pieces per machine
- ▶ **The most appropriate for water-soluble coolant**

Target Customer: Automotive parts manufacturer



Coolant-Resistant Model



1. OPERATING CHARACTERISTICS

| ITEM | SPECIFICATION VALUE |
|-----------------------|---------------------|
| OPERATING FORCE | 11.76N MAX. |
| RELEASE FORCE | 4.90N MIN |
| PRETRAVEL | 1.5 mm MAX. |
| OVERTRAVEL | 3 mm MIN |
| MOVEMENT DIFFERENTIAL | (0.1)mm |
| OPERATING POSITION | 31.4±0.8 mm |

() . . . REFERENCE VALUE

2. ELECTRICAL RATING

DC-12 2A/30V

3. CONTACT ARRANGEMENT

COM — NO
— NC

| TERMINAL | CONNECTOR PIN No. |
|-----------------|-------------------|
| UNUSED TERMINAL | 1 |
| NC | 2 |
| COM | 3 |
| NO | 4 |



CONNECTOR FORM

4. SUITABLE CONNECTOR TYPE

| TYPE | LENGTH |
|-----------------|--------|
| XS2F-D421-080-A | 2m |
| XS2F-D421-080-A | 5m |

Mouser Electronics

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