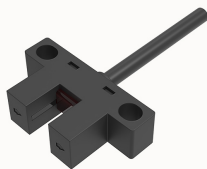


## Overview

### Product information



### Micro slot sensor DSK-206NA-E-30160000022

Output mode: NPN open collector, Repeatability: <0.03mm, Indicator: Red LED,  
Switching mode: L.on (light-on action)/D.on (light-off action) switchable, Light  
source: Infrared LED, 940nm

### Product advantages

- ☑ Newly developed product, super cost-effective
- ☑ Derived from advanced Japanese technology, excellent performance
- ☑ Groove depth of 6.5mm, effectively preventing the object being tested from hitting the bottom of the groove

### Product certification

## Technical data

### Product drawing

### 3D model

### Electrical data

|                       |                                                                        |
|-----------------------|------------------------------------------------------------------------|
| Switch mode           | L.on (light-incoming action) / D.on (light-blocking action) switchable |
| Output mode           | NPN open collector                                                     |
| Response time         | 0.33ms                                                                 |
| Switching frequency   | 6.06kHz                                                                |
| Operating voltage     | 5~24V DC                                                               |
| Current consumption   | ≤16mA                                                                  |
| Residual voltage      | 1V or less (load current 50mA)                                         |
| Load current          | ≤100mA (24VDC)                                                         |
| Insulation resistance | ≥20MΩ (250VDC)                                                         |

|                     |                                                                       |
|---------------------|-----------------------------------------------------------------------|
| Pressure resistance | 1000VAC (50/60Hz)                                                     |
| Protection circuit  | Reverse polarity protection/surge protection/short circuit protection |

#### Environmental parameters

|                              |                                                                            |
|------------------------------|----------------------------------------------------------------------------|
| Storage temperature          | -30~80℃ (no freezing)                                                      |
| Working environment humidity | 5~85%RH (no condensation)                                                  |
| Storage humidity             | 5~95%RH (no condensation)                                                  |
| Ambient illumination         | Incandescent lamp ≤ 1000 Lux; LED lamp ≤ 1000 Lux;<br>Sunlight ≤ 10000 Lux |
| Vibration resistance         | 10~55Hz, 1.5mm amplitude, 2 hours each in X, Y, and Z directions           |
| Protection level             | IP50                                                                       |
| Operating temperature        | -25~55℃ (no freezing)                                                      |

#### Basic parameters

|                           |                       |
|---------------------------|-----------------------|
| How it works              | Photoelectric sensors |
| Shell style               | K-Type                |
| Optical working principle | Shooting              |
| Detection distance        | 5.0mm                 |
| Light source              | Infrared LED, 940nm   |
| Indicator lights          | Red LED               |

#### Mechanical parameters

|            |                 |
|------------|-----------------|
| Connection | 2m/4-core cable |
| Size       | 24.0x14.0x6.5mm |
| Weight     | 0.023kg         |
| Material   | ABS             |

#### Accessories

| Business data                       |             |
|-------------------------------------|-------------|
| Order number                        | 30160000022 |
| Packing unit                        | 1           |
| Minimum order quantity              | 1           |
| Products weight (without packaging) | 0.023kg     |