



**Part Number :** [1202540092](#)  
**Product Description :** Contrinex Photoelectric Sensor, M5 Housing, Diffuse, 20mm Operating Distance, NPN, Light-ON, 3-pin M8 Connector, 45mm Housing Length  
**Series Number :** 120254  
**Status :** Not Recommended For New Design  
**Product Category :** Inductive and Photoelectric Sensors  
**Engineering Number :** LTR-M05MA-NMS-301



## Documents & Resources

### Specifications

[1202540090-000.pdf](#)

## Product Environment Compliance

### Compliance

|                    |                                                                                                              |
|--------------------|--------------------------------------------------------------------------------------------------------------|
| GADSL/IMDS         | Not Relevant                                                                                                 |
| China RoHS         | <br>per SJ/T 11365-2006 |
| EU ELV             | Not Relevant                                                                                                 |
| Low-Halogen Status | Not Reviewed per IEC 61249-2-21                                                                              |
| REACH SVHC         | Not Reviewed per D(2025)4165-DC<br>(25 June 2025)                                                            |
| EU RoHS            | Compliant per EU 2015/863                                                                                    |

### Compliance Statements

- EU RoHS
- REACH SVHC
- Low-Halogen

### Industry Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474

- chemSHERPA (xml)

#### Substances of Interest

- PFAS

#### EU RoHS Certificate of Compliance

#### Additional Product Compliance Information

#### UKCA - Declaration of Conformity

#### CE - Declaration of Conformity

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## Part Details

### General

|                     |                                                                                                                                      |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| Status              | Not Recommended For New Design                                                                                                       |
| Category            | Photoelectric Sensors                                                                                                                |
| Series              | 120254                                                                                                                               |
| Description         | Contrinex Photoelectric Sensor, M5 Housing, Diffuse, 20mm Operating Distance, NPN, Light-ON, 3-pin M8 Connector, 45mm Housing Length |
| IP Rating           | IP67                                                                                                                                 |
| Operating Principle | Diffuse                                                                                                                              |
| Product Name        | Contrinex                                                                                                                            |
| Type                | Photoelectric                                                                                                                        |
| UPC                 | 191130067985                                                                                                                         |

### Electrical

|                     |          |
|---------------------|----------|
| Output              | Light-ON |
| Polarity            | NPN      |
| Switching Frequency | ≤ 250 Hz |

### Physical

|                     |                       |
|---------------------|-----------------------|
| Connection          | Connector (M8, 3-pin) |
| Length              | 45mm                  |
| Material - Housing  | Stainless Steel       |
| Material - Window   | Sapphire              |
| Operating Distance  | 20mm                  |
| Output              | Light-ON              |
| Sensor Housing Size | M5                    |

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|-------------------------------|-------------|
| Temperature Range - Operating | 0° to +55°C |
|-------------------------------|-------------|

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