



# MSC800-0000

SYSTEM SOLUTIONS

**SICK**  
Sensor Intelligence.



## Ordering information

| Type        | part no. |
|-------------|----------|
| MSC800-0000 | 1040571  |

Other models and accessories → [www.sick.com/](http://www.sick.com/)

## Detailed technical data

### Features

|                    |                                    |
|--------------------|------------------------------------|
| <b>MTBF</b>        | > 80,000 h                         |
| <b>MTTR</b>        | < 5 min, per component             |
| <b>System part</b> | Logic unit as individual component |

### Mechanics/electronics

|                          |               |
|--------------------------|---------------|
| <b>Supply voltage</b>    | 24 V DC       |
| <b>Power consumption</b> | 10 W, typical |

### Interfaces

|                               |  |
|-------------------------------|--|
| <b>Connection types</b>       |  |
| Serial (RS-232, RS-422/-485)  | 4  |
| Ethernet                      | 3  |
| PROFIBUS DP                   | 1  |
| CAN bus                       | 2  |
| Digital switching inputs      | 14   |
| Digital outputs               | 4  |
| Relay outputs                 | 2  |
| USB                           | 1  |
| Service interface             | 1  |
| <b>Data transmission rate</b> |  |
|                               | 0.3 kBaud ... 115.2 kBaud                                |
|                               | 20 kbit/s ... 1 Mbit/s                                   |
|                               | 10 MBit/s / 100 MBit/s                                   |
| <b>Optical indicators</b>     |  |
|                               | 2 x LED per power supply module                          |
|                               | 6 x LED fuse module (12 pole terminal block)             |
|                               | 48 x LED logic unit                                      |
| <b>Data protocol</b>          |  |
|                               | SICK standard, application-specific protokoll on request |
|                               | TCP/IP   |
|                               | PROFIBUS DP  |
|                               | CANopen protocol, CAN-SENSOR network                     |
| <b>Function</b>               |  |
|                               | Data output, parameter set-up, analyses                  |

|  |  |
|--|--|
|  | Data output, parameter set-up, analyses                      |
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|  | PNP, configurable, opto isolated, reverse polarity protected |
|  | PNP, configurable, short-circuit proof                       |
|  | Potential-free   |

#### Ambient data

|                                       |                      |
|---------------------------------------|----------------------|
| <b>Ambient temperature, operation</b> | 0 °C ... +40 °C      |
| <b>Ambient temperature, storage</b>   | -20 °C ... +70 °C    |
| <b>Permissible relative humidity</b>  | 95 %, Non-condensing |

#### Certificates

|                   |   |
|-------------------|---|
| <b>China RoHS</b> | ✓ |
|-------------------|---|

#### Classifications

|                       |          |
|-----------------------|----------|
| <b>ECLASS 5.0</b>     | 27280102 |
| <b>ECLASS 5.1.4</b>   | 27280102 |
| <b>ECLASS 6.0</b>     | 27280102 |
| <b>ECLASS 6.2</b>     | 27280102 |
| <b>ECLASS 7.0</b>     | 27280102 |
| <b>ECLASS 8.0</b>     | 27280102 |
| <b>ECLASS 8.1</b>     | 27280102 |
| <b>ECLASS 9.0</b>     | 27280102 |
| <b>ECLASS 12.0</b>    | 27280102 |
| <b>ETIM 5.0</b>       | EC002550 |
| <b>ETIM 6.0</b>       | EC002550 |
| <b>ETIM 8.0</b>       | EC002550 |
| <b>UNSPSC 16.0901</b> | 43211701 |

## SICK AT A GLANCE

SICK is one of the leading manufacturers of intelligent sensors and sensor solutions for industrial applications. A unique range of products and services creates the perfect basis for controlling processes securely and efficiently, protecting individuals from accidents and preventing damage to the environment.

We have extensive experience in a wide range of industries and understand their processes and requirements. With intelligent sensors, we can deliver exactly what our customers need. In application centers in Europe, Asia and North America, system solutions are tested and optimized in accordance with customer specifications. All this makes us a reliable supplier and development partner.

Comprehensive services complete our offering: SICK LifeTime Services provide support throughout the machine life cycle and ensure safety and productivity.

For us, that is “Sensor Intelligence.”

## WORLDWIDE PRESENCE:

Contacts and other locations –[www.sick.com](http://www.sick.com)