



## Safety laser scanners S3000 PROFINET IO, Sensor head

S30A-4111

**Model Name**     > [S30A-4111](#)  
**Part No.**         > [2049566](#)

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#### Applications

|                                         |   |
|-----------------------------------------|---|
| Hazardous area protection (vertical):   | ✓ |
| Access protection (vertical):           | ✓ |
| Hazardous area protection (horizontal): | ✓ |

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#### Functions

|                                                       |   |
|-------------------------------------------------------|---|
| Number of simultaneously monitored protective fields: | 2 |
| External device monitoring (EDM):                     | - |
| Integrated configuration memory:                      | ✓ |

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#### Technical data

|                                |                                                   |
|--------------------------------|---------------------------------------------------|
| Laser class:                   | 1 (21 CFR 1040.10 and 1040.11, DIN EN 60825:2001) |
| Enclosure rating:              | IP 65 (EN 60529)                                  |
| Protection class:              | III (EN 50178)                                    |
| Type:                          | Type 3 (IEC/EN 61496-3)                           |
| Safety integrity level:        | SIL2 (IEC 61508), SILCL2 (EN 62061)               |
| Category:                      | Category 3 (EN ISO 13849)                         |
| Performance level:             | PL d (EN ISO 13849)                               |
| PFHd:                          | 8.0 * 1E-08 (EN ISO 13849)                        |
| TM (mission time):             | 20 a (EN ISO 13849)                               |
| Ambient operating temperature: | -10 °C ... 50 °C                                  |
| Scan angle:                    | 190 °                                             |
| Protective field range:        | 4 m                                               |
| Response time:                 | 60 ms <sup>1)</sup>                               |

<sup>1)</sup> Depending on basic response time and multiple sampling

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