SIEMENS

## Data sheet 6GK1901-0DE10-6AA0

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| **product type designation** | **IE Adapter M12-D/M12-X** |
| product description | M12 adapter with degree of protection IP65 |
| | IE adapter M12-D/M12-X; Cat5e; M12 D-encoded pin to M12 X- encoded socket; for easy connection of M12 interfaces with D and X coding; 1 pack = 1 unit |



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| product brand name | SIMATIC NET |
| Technical Product Detail Page | https://i.siemens.com/1P6GK1901-0DE10-6AA0 |
| suitability for use | adapter (passive) for connecting 8-wire M12 cables (100 MB) to 4-pole M12 interfaces on active components |
| **transfer rate** | |
| transfer rate / for Industrial Ethernet | 10, 100 Mbit/s |
| **interfaces** | |
| number of electrical connections | |
| ● for Industrial Ethernet FC TP cables | 4 |
| ● for network components or terminal equipment | 1 |
| type of electrical connection | |
| ● for network components or terminal equipment | M12-D-Male/M12-X-Female |
| **mechanical data** | |
| material / of the enclosure | metal |
| locking mechanism design | Screwed joint |
| tightening torque / for M12 round connector / maximum | 0.6 N·m |
| connector coding / of the M12 circular connector | D / X |
| **design, dimensions and weights** | |
| width | 15 mm |
| height | 15 mm |
| depth | 56 mm |
| net weight | 30 g |
| **ambient conditions** | |
| ambient temperature | |
| ● during operation | -25 ... +85 °C |
| ● during storage | -25 ... +85 °C |
| ● during transport | -25 ... +85 °C |
| protection class IP | IP67 |
| **product features, product functions, product components / general** | |
| product feature | |
| ● PoE capability | Yes |
| ● PoE+ capability | Yes |
| ● silicon-free | Yes |
| **standards, specifications, approvals** | |
| certificate of suitability | |
| ● RoHS conformity | Yes |
| standard for structured cabling | Cat5e |


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| further information / internet links | |
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| internet link | |
| ● to website: Selection guide for cables and connectors | https://support.industry.siemens.com/cs/ww/en/view/109766358 |
| ● to web page: selection aid TIA Selection Tool | https://www.siemens.com/tstcloud |
| ● to website: Industrial communication | https://www.siemens.com/simatic-net |
| ● to web page: SiePortal | https://sieportal.siemens.com |
| ● to website: Image database | https://www.automation.siemens.com/bilddb |
| ● to website: CAx-Download-Manager | https://www.siemens.com/cax |
| ● to website: Industry Online Support | https://support.industry.siemens.com |

| security information | |
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**Approvals / Certificates**

**General Product Approval**

CE
EG-Konf.

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