

M12 plug straight screw terminal max. 0.75 mm<sup>2</sup>, 5-pole A-encoded maximal 4 A



| General technical data   |                 |  |
|--|-----------------|--|
| ampacity per pin maximum   | A               | 4  |
| operating voltage maximum  | V               | 60   |
| surge voltage resistance rated value                               | kV              | 0.8  |
| Mechanical data  |                 |  |
| type of connection technology                                      |                 | Screw terminals  |
| connector type   |                 | Pin  |
| number of poles  |                 | 5  |
| connectable conductor cross-section for flexible conductor maximum | mm <sup>2</sup> | 0.75   |
| diameter of inlet opening  | mm              | 4 ... 6  |
| material   |                 |  |
| • of connector fixed part  |                 | Polyamide  |
| • of the enclosure   |                 | Zinc diecast, nickel-plated                              |
| depth  | mm              | 20   |
| height   | mm              | 60   |
| width  | mm              | 20   |
| mechanical service life (mating cycles)                            |                 | 100  |
| type of plug interlock   |                 | M12 x 1 thread   |
| Ambient conditions   |                 |  |
| ambient temperature  |                 |  |
| • during storage   | °C              | -40 ... +85  |
| • during operation   | °C              | -40 ... +85  |
| protection class IP  |                 | IP67   |
| chemical resistance  |                 |  |
| • to mineral oil   |                 | conditional, must be checked relative to the application |
| • to water   |                 | conditional, must be checked relative to the application |
| • to grease  |                 | conditional, must be checked relative to the application |
| degree of pollution  |                 | 3  |
| Certificates/ approvals  |                 |  |
| certificate of suitability   |                 |  |
| • CSA approval   |                 | No   |
| • RoHS conformity  |                 | Yes  |
| • UL approval  |                 | No   |
| • CCC  |                 | No   |
| • IEC approval   |                 | Yes  |
| • cUL approval   |                 | Yes  |
| • C-Tick   |                 | No   |
| Further information  |                 |  |

**Information on the packaging**

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

**Information for data generation and storage**

<https://support.industry.siemens.com/cs/ww/en/view/109995012>

**Information- and Downloadcenter (Catalogs, Brochures,...)**

<https://www.siemens.com/ic10>

**Industry Mall (Online ordering system)**

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RK1902-4BA00-5AA0>

**Cax online generator**

<https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK1902-4BA00-5AA0>

**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**

<https://support.industry.siemens.com/cs/ww/en/ps/3RK1902-4BA00-5AA0>

**Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)**

[https://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RK1902-4BA00-5AA0&lang=en](https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK1902-4BA00-5AA0&lang=en)

---

last modified:

4/2/2025 