



AS-Interface counter module S22.5, 1 DI, counter, IP20 1x 1 counter input, 90 mA, PNP Screw terminal connection Overall width 22.5 mm

| General technical data  |    |   |
|---|----|---|
| <b>design of the product</b>  |    | counter modules - modules with special functions  |
| <b>product function</b>   |    |   |
| • ground fault detection  |    | No  |
| • counter   |    | Yes   |
| • overvoltage detection   |    | No  |
| <b>protocol is supported AS-Interface protocol</b>  |    | No  |
| <b>Device type</b>  |    | standard slave  |
| <b>I/O configuration</b>  |    | 0   |
| <b>ID code</b>  |    | F   |
| <b>type of electrical connection of the inputs and outputs</b>                                    |    | screw-type terminals  |
| operating voltage according to AS-Interface specification   | V  | 26.5 ... 31.6   |
| <b>AS interface total current input max</b>   | mA | 170   |
| <b>reference code according to DIN 40719 extended according to IEC 204-2 according to IEC 750</b> |    | A   |
| <b>reference code according to EN 61346-2</b>   |    | K   |
| Inputs  |    |   |
| <b>Inputs sensor supply using AS-Interface</b>  |    | short-circuit and overload resistant  |
| Inputs voltage range  | V  | 20 ... 30   |
| <b>Inputs</b>   |    |   |
| • switching level High min  | V  | 10  |
| • switching level Low max   | V  | 5   |
| input current at digital input  |    |   |
| • for signal <1> minimum  | mA | 10  |
| • with signal <0> maximum   | mA | 2   |
| <b>ampacity of the sensor supply for all inputs at ambient temperature 40 °C</b>                  | mA | 90  |
| <b>Assignment pins</b>  |    | terminal 7 = + , terminal 9 = - , terminal 8 = IN1  |
| Status display AS-Interface   |    | Green LED on + Red LED off = Status OK Green LED off + Red LED on = No data traffic Green LED flashes + Red LED on = Zero address Green LED off + Red LED flashes = Overload (sensor) |
| Ambient conditions  |    |   |
| <b>ambient temperature</b>  |    |   |
| • during operation  | °C | -25 ... +70   |
| • during storage  | °C | -40 ... +85   |
| <b>protection class IP</b>  |    | IP20  |
| Mechanical data   |    |   |
| <b>width</b>  | mm | 22.5  |
| <b>height</b>   | mm | 102   |
| <b>depth</b>  | mm | 86  |
| <b>fastening method</b>   |    | standard rail mounting/wall mounting  |

Certificates/ approvals

|                          |     |
|--------------------------|-----|
| General Product Approval | EMV |
|--------------------------|-----|



[KC](#)

|                      |       |             |                          |
|----------------------|-------|-------------|--------------------------|
| Maritime application | other | Environment | Industrial Communication |
|----------------------|-------|-------------|--------------------------|



[Confirmation](#)

[Miscellaneous](#)

[Environmental Confirmations](#)



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=3RK1200-0CE03-0AA2>

Cax online generator

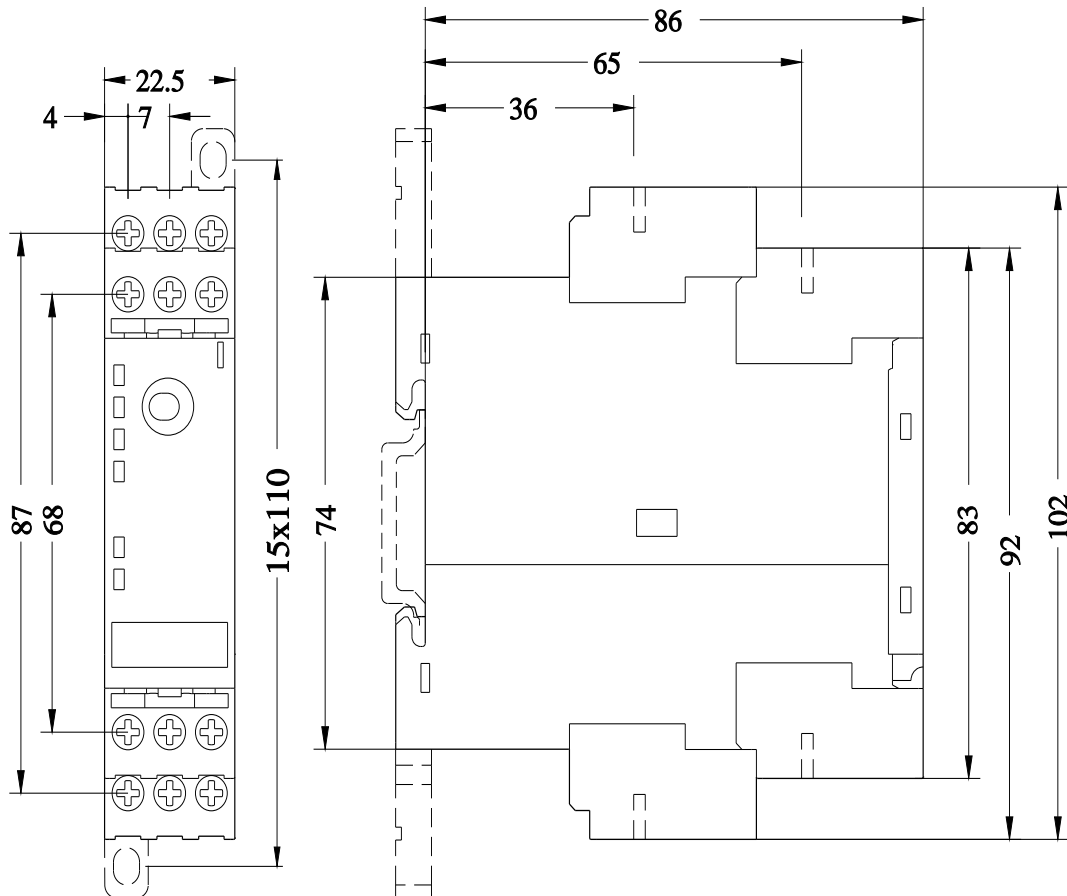
<https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK1200-0CE03-0AA2>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RK1200-0CE03-0AA2>

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

[https://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RK1200-0CE03-0AA2&lang=en](https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK1200-0CE03-0AA2&lang=en)



last modified:

4/2/2025

