



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

General technical data		
design of the product		counter modules - modules with special functions
product function		
• ground fault detection		No
• counter		Yes
• overvoltage detection		No
protocol is supported AS-Interface protocol		No
Device type		standard slave
I/O configuration		0
ID code		F
type of electrical connection of the inputs and outputs		spring-loaded terminals
operating voltage according to AS-Interface specification	V	26.5 ... 31.6
AS interface total current input max	mA	170
reference code according to DIN 40719 extended according to IEC 204-2 according to IEC 750		A
reference code according to EN 61346-2		K
Inputs		
Inputs sensor supply using AS-Interface		short-circuit and overload resistant
Inputs voltage range	V	20 ... 30
Inputs		
• 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
ampacity of the sensor supply for all inputs at ambient temperature 40 °C	mA	90
Assignment pins		terminal 7 = + , terminal 9 = - , terminal 8 = IN2
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		
ambient temperature		
• during operation	°C	-25 ... +70
• during storage	°C	-40 ... +85
protection class IP		IP20
Mechanical data		
width	mm	22.5
height	mm	103
depth	mm	86
fastening method		standard rail mounting/wall mounting

Conductor cross-section	
<ul style="list-style-type: none"> • solid • finely stranded <ul style="list-style-type: none"> — with end sleeve — without end sleeve • AWG solid or stranded 	<p>2 x (0.25 - 1.5) mm²</p> <p>2 x (0,25 - 1) mm²</p> <p>2 x (0.25 - 1.5) mm²</p> <p>AWG 2 x (24 - 16) mm²</p>

Certificates/ approvals

General Product Approval	EMV
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[KC](#)

Maritime application	other	Environment	Industrial Communication
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[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=3RK1200-0CG03-0AA2>

Cax online generator

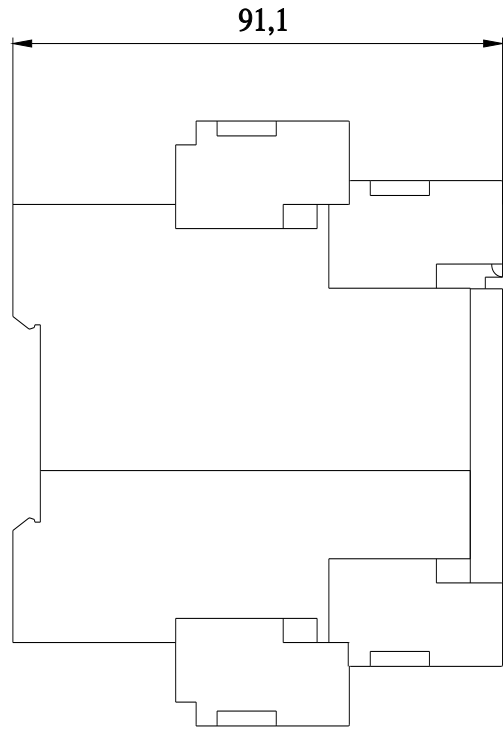
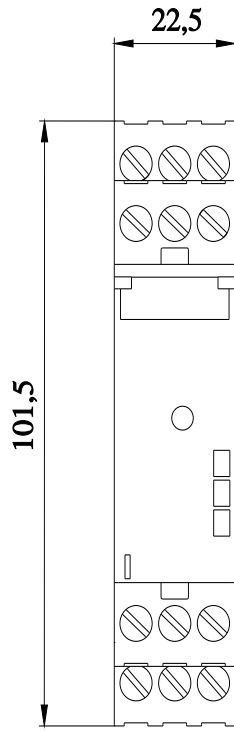
<https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK1200-0CG03-0AA2>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RK1200-0CG03-0AA2>

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

https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK1200-0CG03-0AA2&lang=en



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