



AS-i data decoupler 1 x 4 A Spring-type terminals, AS-i single Data decoupling module IP20, SlimLine S22.5 spring-type terminals
Overall width module 22.5 mm IN: 24 V / 30 V DC OUT: 1 x AS-i, 4 A Integrated overload protection Integrated ground fault detection Signaling contact Remote reset

General technical data		
product designation		Single data decoupling module
design of the product		SlimLine S22.5 - Module to be used in the IP20 control cabinet
protection class IP		IP20
installation altitude at height above sea level maximum	m	2 000
ambient temperature		
• during operation	°C	-25 ... +70
• during storage	°C	-40 ... +85
relative humidity at 25 °C during operation maximum	%	70
reference code according to DIN 40719 extended according to IEC 204-2 according to IEC 750		A
reference code according to EN 61346-2		A
supplied active power	W	120
mechanical service life (operating cycles) of the signaling contacts typical		1 000 000
product function		
• auto-RESET		No
• external reset		Yes
• manual RESET		Yes
• ground fault detection		Yes
• test function of signaling contacts		Yes
• suitable for grounded AS-i networks		Yes
• adapted for non-grounded AS-i networks		Yes
• suitable for AS-i Power24V		Yes
• sequential connected time-delay		No
• AS-Interface data decoupling		Yes
reset function		yes
adjustable current response value current of the current-dependent overload release	A	2.5 ... 4
number of electrical connections for signaling contact		2
number of outputs for AS-Interface maximum		1
display version as status display by LED		yes
number of switching contacts as NO contact for signaling function		1
design of the switching contact as NO contact for signaling function		yes
Communication/ Protocol		
protocol is supported AS-Interface protocol		Yes
Auxiliary circuit		
operational current of auxiliary contacts		

• at AC-15 at 24 V	A	3
• at DC-13 at 24 V	A	1
Inputs/ Outputs		
type of voltage		
• of the input voltages		DC
• of the input voltage		DC
property of the output short-circuit proof		Yes
output voltage		
• 1 at DC rated value	V	30
—	V	20.5 ... 31.6
—	V	24
• 2 at DC rated value		
output current at DC maximum	A	4
input voltage		
• 1 at DC rated value	V	30
—	V	21 ... 32
—	V	24
• 2 at DC rated value		
input current at DC maximum	A	4.1
Short-circuit protection		
design of short-circuit protection		electronic
Installation/ mounting/ dimensions		
mounting position		vertical
fastening method		35-mm DIN rail mounting or wall mounting with plug-in flaps
width	mm	22.5
height	mm	104.9
depth	mm	121.2
type of electrical connection for auxiliary and control circuit		spring-loaded terminals
product component removable terminal for auxiliary and control circuit		Yes
type of connectable conductor cross-sections		
• for auxiliary contacts		
— solid		2x (0.25 ... 1.5 mm ²)
— finely stranded		
— with core end processing		2x (0.25 ... 1.5 mm ²)
— without core end processing		2x (0.25 ... 1.5 mm ²)
• for AWG cables for auxiliary contacts		2x (24 ... 16)
certificate of suitability		CE / UL / CSA
suitability for use safety-related circuits		Yes
Certificates/ approvals		
General Product Approval	Maritime application	Environment



[Environmental Con-
firmations](#)

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=3RK1901-1DG12-1AA0>

Cax online generator

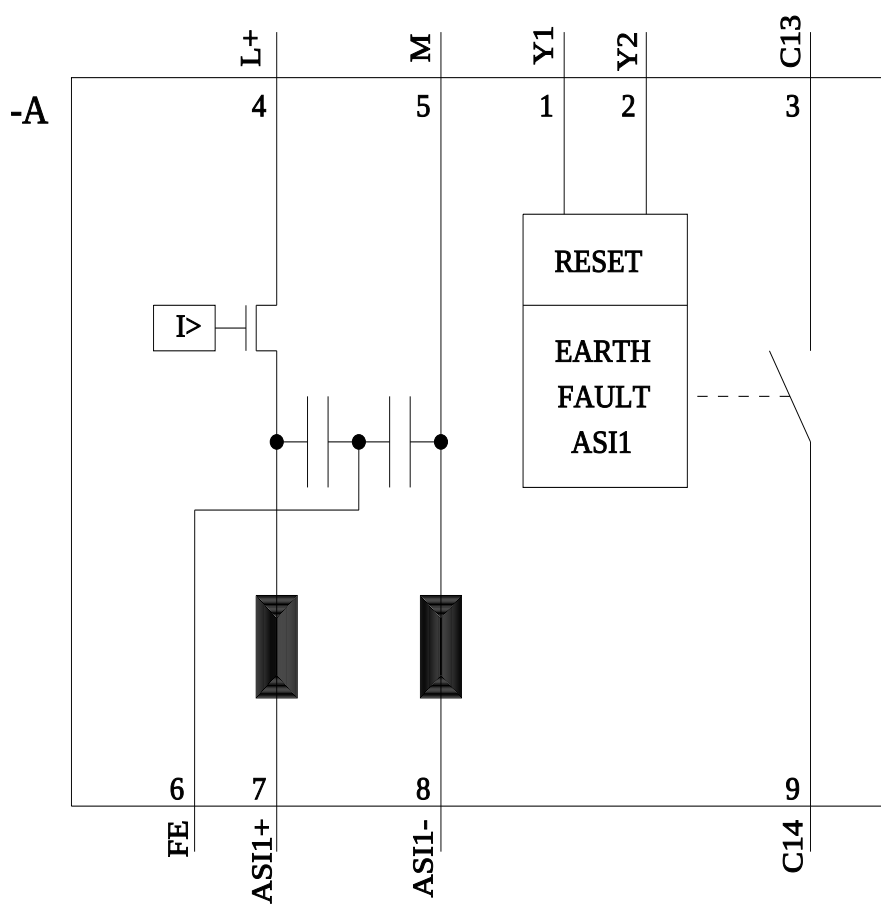
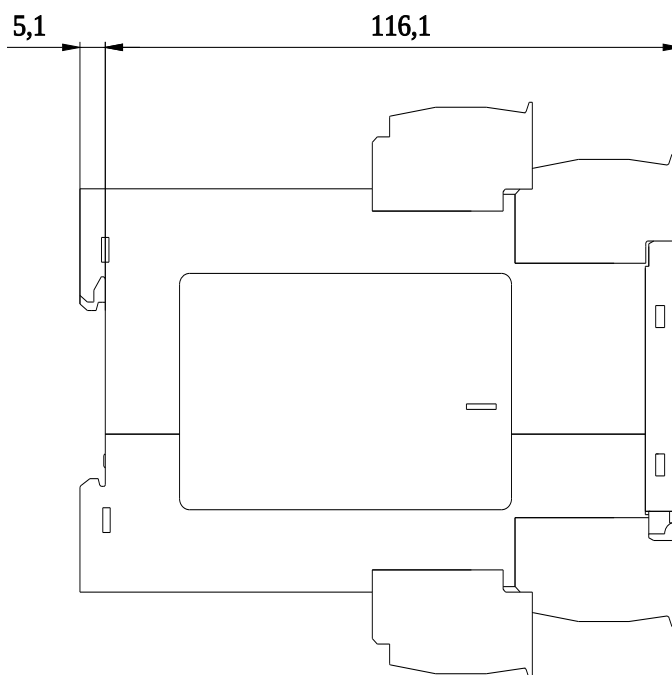
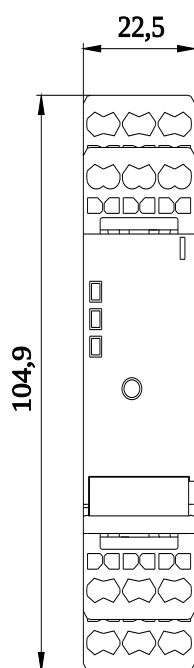
<https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK1901-1DG12-1AA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RK1901-1DG12-1AA0>

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

https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK1901-1DG12-1AA0&lang=en



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