

AS-i data decoupler 2 x 4 A Screw terminals, AS-i dual Data decoupling module IP20, SlimLine S22.5 Screw terminals Overall width module 22.5 mm IN: 24 V / 30 V DC OUT: 2 x AS-i, 4 A Integrated overload protection Integrated ground fault detection Signaling contact Remote reset

General technical data		
product designation		Twin 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	A	A
according to IEC 204-2 according to IEC 750		
reference code according to EN 61346-2		A
supplied active power	W	240
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		Yes
• 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		3
number of outputs for AS-Interface maximum		2
display version as status display by LED		yes
number of switching contacts as NO contact for signaling function		2
design of the switching contact as NO contact for signaling function		yes
response delay of the sequential connection delay	ms	200
Communication/ Protocol		
protocol is supported AS-Interface protocol		Yes
Auxiliary circuit		
operational current of auxiliary contacts		

- at AC-15 at 24 V
- at DC-13 at 24 V

A	3
A	1

Inputs/ Outputs

type of voltage

- of the input voltages
- of the input voltage

DC
DC
Yes

property of the output short-circuit proof

output voltage

- 1 at DC
 - rated value
 - rated value
- 2 at DC rated value

V	30
V	20.5 ... 31.6
V	24
A	4

output current at DC maximum

input voltage

- 1 at DC
 - rated value
 - rated value
- 2 at DC rated value

V	30
V	21 ... 32
V	24
A	8.2

input current at DC maximum

Short-circuit protection

design of short-circuit protection

electronic

Installation/ mounting/ dimensions

mounting position

fastening method

vertical
35-mm DIN rail mounting or wall mounting with plug-in flaps

width

mm

22.5

height

mm

101.3

depth

mm

121.2

type of electrical connection for auxiliary and control circuit

screw-type terminals

product component removable terminal for auxiliary and control circuit

Yes

type of connectable conductor cross-sections

- for auxiliary contacts
 - solid
 - finely stranded
 - with core end processing
- at AWG cables for auxiliary contacts

1x (0.5 ... 4 mm²), 2x (0.5 ... 2.5 mm²)

1x (0.5 ... 2.5 mm²), 2x (0.5 ... 1.5 mm²)

2x (20 ... 14)

certificate of suitability

CE / UL / CSA

suitability for use safety-related circuits

Yes

Certificates/ approvals

General Product Approval

EMC

Declaration of Conformity



[Confirmation](#)



Marine / Shipping

other



[Confirmation](#)

Further information

Information on the packaging

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

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=3RK1901-1DE22-1AA0>

Cax online generator

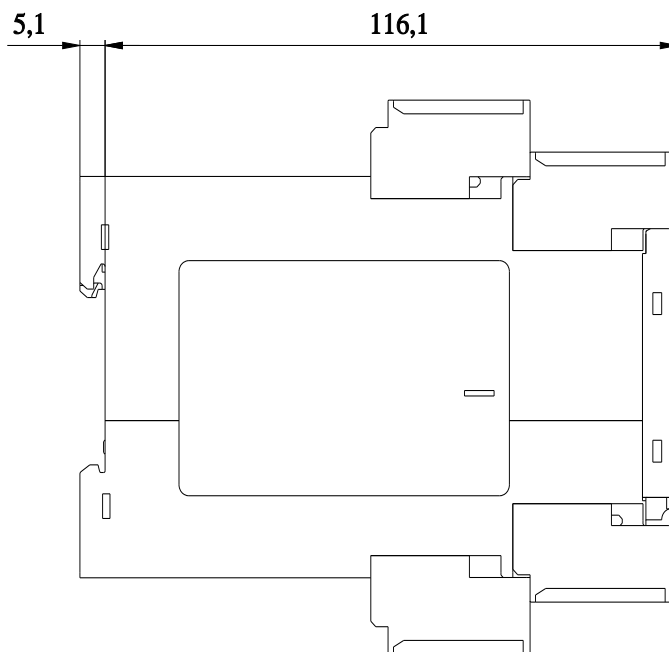
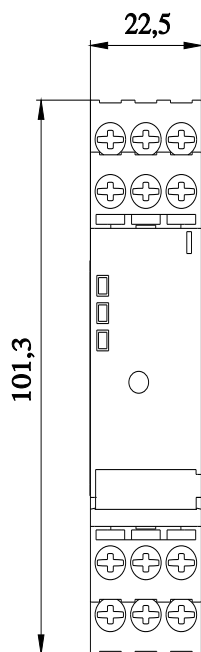
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK1901-1DE22-1AA0>

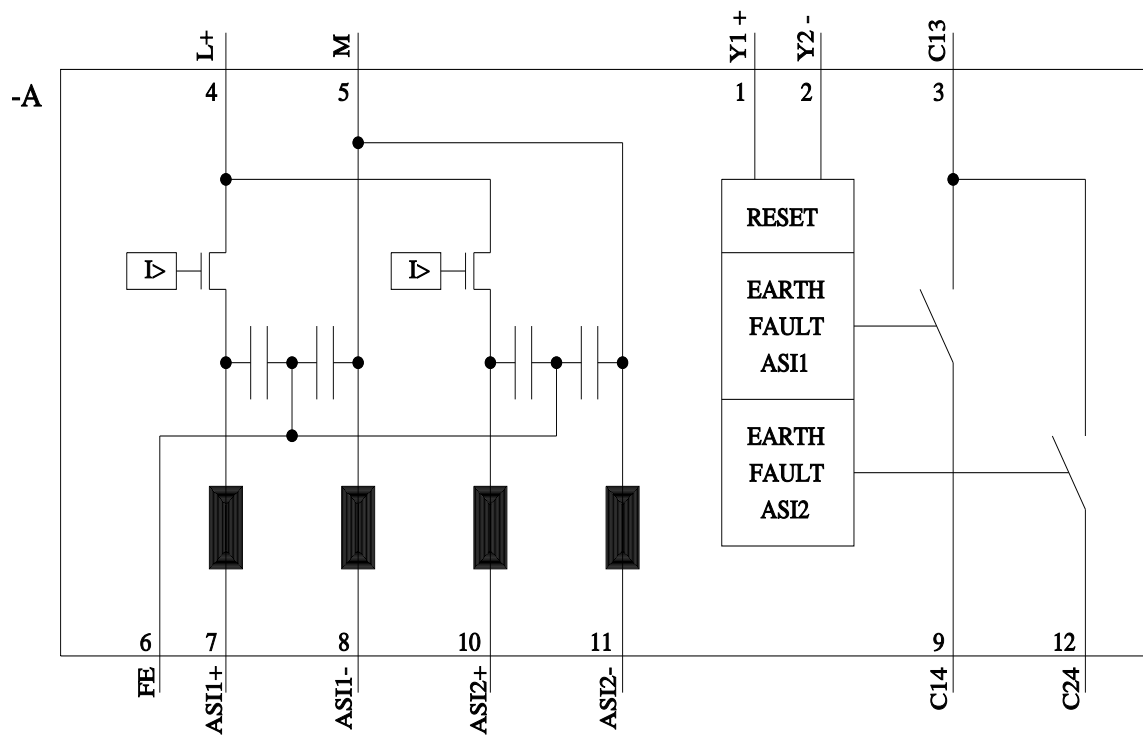
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3RK1901-1DE22-1AA0>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK1901-1DE22-1AA0&lang=en





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