



AS-I DATA DECOUPL 2 X 4A SPRING AS-INTERFACE
DUAL DATA DECOUPLING UNIT,
IP20,
SLIMLINE S22.5 SPRING-LOADED TERMINALS,
MODULE WIDTH 22.5 MM,
IN: 24 V / 30 V DC OUT: 2 X AS-I,
4 A INTEGR. OVERLOAD PROTECTION,
INTEGR. EARTH FAULT DETECTION,
SIGNALING CONTACTS, REMOTE RESET

General technical data:

product brand name		AS-Interface
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 a height over sea level / maximum	m	2,000
Ambient temperature		
• during operating	°C	-25 ... +70
• during storage	°C	-40 ... +85
Relative humidity / at 25 °C / during operating / maximum	%	70
Reference code / according to DIN 40719 extended according to IEC 204-2 / according to IEC 750		A
Reference code / according to DIN EN 61346-2		A
Active power supplied	W	240
Mechanical operating cycles as operating time / of the signal contacts / typical		1,000,000
Product function		
• self-reset		No
• reset external		Yes
• manual RESET		Yes

• short-circuit to earth recognition		Yes
• test function of signaling contacts		Yes
• adapted for grounded AS-i networks		Yes
• adapted for non-grounded AS-i networks		Yes
• adapted for AS-i Power24V		Yes
• sequential connected time-delay		Yes
• AS-interface data decoupling		Yes
Reset function		yes
Adjustable response 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
Type of display / as status display by LED		yes
Number of switching contacts / as make contact / for reporting function		2
Design of the switching contact / as make contact / for reporting function		yes
ON-delay / of the sequential connection delay	ms	200

Communication:

Protocol / is supported / AS interface protocol

Yes

Auxiliary circuit:

Operating current / of the auxiliary contacts

• at AC-15 / at 24 V

A

3

• at DC-13 / at 24 V

A

1

Inputs/ Outputs:

Type of

• input voltages

DC

• input voltage

DC

Characteristic feature of the output / short-circuit protected

Yes

Output voltage

• 1 / for DC / rated value

V

30

• 1 / for DC

• rated value

V

20.5 ... 31.6

• 2 / for DC / rated value

V

24

Output current / for DC / maximum

A

4

Input voltage

• 1 / for DC / rated value

V

30

• 1 / for DC

• rated value

V

21 ... 32

• 2 / for DC / rated value

	V	24
Input current / for DC / maximum	A	8.2

Short-circuit:

Design of the short-circuit protection

electronic

Installation/mounting/dimensions:

mounting position

vertical

Mounting type

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

Width

mm

22.5

Height

mm

104.9

Depth

mm

121.2

Design of the electrical connection / for auxiliary and control current circuit

spring-loaded terminals

Product function / removable terminal for auxiliary and control circuit

Yes

Type of the connectable conductor cross-section

- for auxiliary contacts
 - solid
 - finely stranded
 - with conductor end processing
 - without conductor final cutting
- for AWG conductors / for auxiliary contacts

2x (0.25 ... 1.5 mm²)

2x (0.25 ... 1.5 mm²)

2x (0.25 ... 1.5 mm²)

2x (24 ... 16)

Verification of suitability

CE / UL / CSA

Suitability for use / safety-related circuits

Yes

Certificates/approvals:

General Product Approval



Shipping Approval



other

[Confirmation](#)

[Declaration of
Conformity](#)

[Environmental
Confirmations](#)

Further information:

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

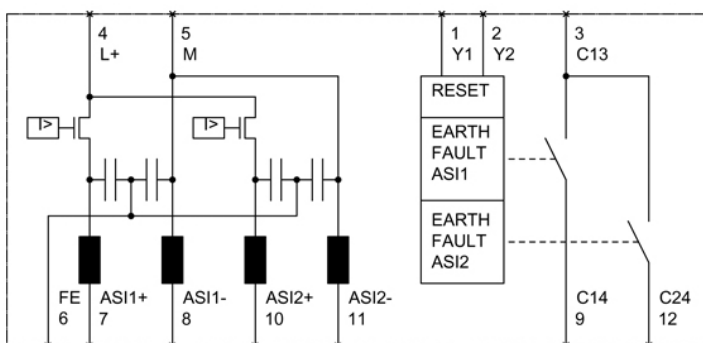
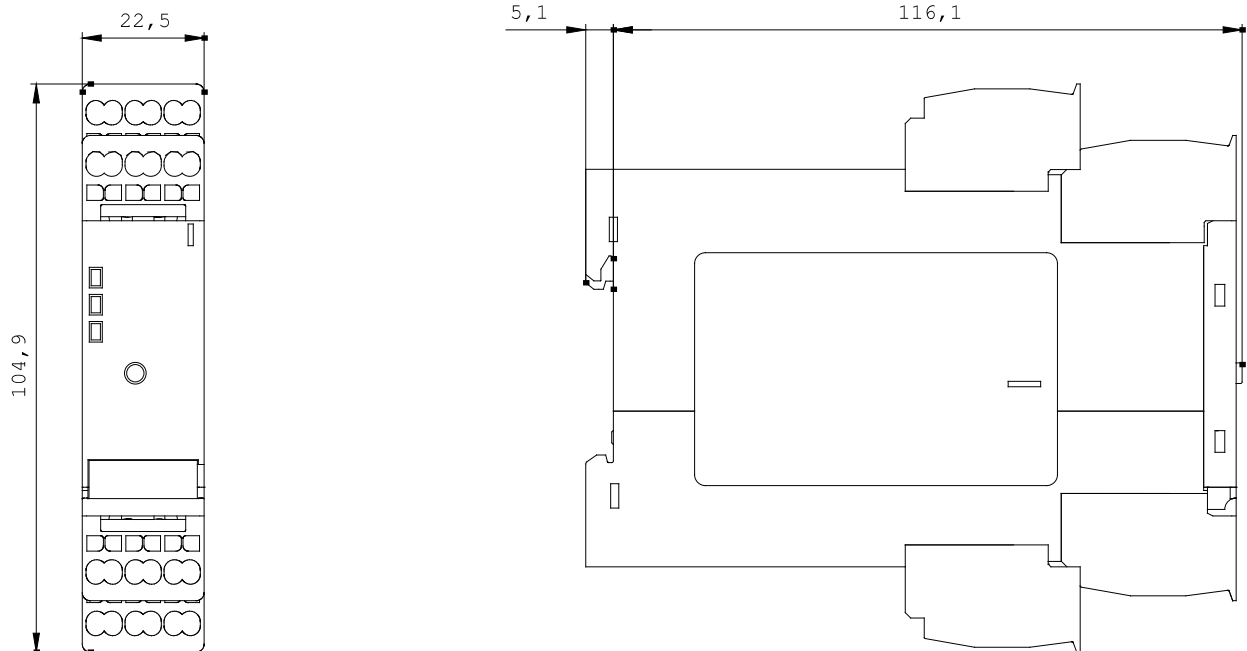
<http://www.siemens.com/industrial-controls/catalogs>

Industry Mall (Online ordering system)
<http://www.siemens.com/industrial-controls/mall>

Cax online generator
<http://www.siemens.com/cax>

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
<http://support.automation.siemens.com/WW/view/en/3RK1901-1DG22-1AA0/all>

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RK1901-1DG22-1AA0



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