



AS-i data decoupler 2 x 4 A Spring-type terminals, AS-i dual Data decoupling module IP20, SlimLine S22.5 spring-type 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 according to IEC 204-2 according to IEC 750	A	A
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

property of the output short-circuit proof

output voltage

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

output current at DC maximum

input voltage

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

input current at DC maximum

	DC
	DC
	Yes
V	30
V	20.5 ... 31.6
V	24
A	4
V	30
V	21 ... 32
V	24
A	8.2

Short-circuit protection

design of short-circuit protection

electronic

Installation/ mounting/ dimensions

mounting position

fastening method

width

height

depth

type of electrical connection for auxiliary and control circuit

product component removable terminal for auxiliary and control circuit

type of connectable conductor cross-sections

- for auxiliary contacts
 - solid
 - finely stranded
 - with core end processing
 - without core end processing
- at AWG cables for auxiliary contacts

certificate of suitability

suitability for use safety-related circuits

	vertical
	35-mm DIN rail mounting or wall mounting with plug-in flaps
mm	22.5
mm	104.9
mm	121.2
	spring-loaded terminals
	Yes
	2x (0.25 ... 1.5 mm ²)
	2x (0.25 ... 1.5 mm ²)
	2x (0.25 ... 1.5 mm ²)
	2x (24 ... 16)
	CE / UL / CSA
	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=3RK1901-1DG22-1AA0>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK1901-1DG22-1AA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RK1901-1DG22-1AA0>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK1901-1DG22-1AA0&lang=en



