SIEMENS

Data sheet

3RK1901-1DG22-1AA0



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 beused in the IP20 control cabinet
protection class IP		IP20
installation altitude at height above sea level	m	2 000
maximum		
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	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	А	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		

-1 AO 45 -1 O4 V	Δ	2
• at AC-15 at 24 V	A	3
• at DC-13 at 24 V	А	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
— rated value	V	20.5 31.6
 2 at DC rated value 	V	24
output current at DC maximum	Α	4
input voltage		
• 1 at DC		
— rated value	V	30
— rated value	V	21 32
 2 at DC rated value 	V	24
input current at DC maximum	Α	8.2
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		
		2v (0.25
— solid		2x (0.25 1.5 mm²)
— finely stranded		Ov. (0.0F 4.F mans2)
with core end processing		2x (0.25 1.5 mm²)
— without core end processing		2x (0.25 1.5 mm²)
at 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

EMC

Declaration of Conformity



Confirmation









Marine / Shipping

other





Confirmation

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

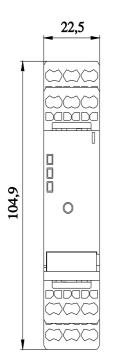
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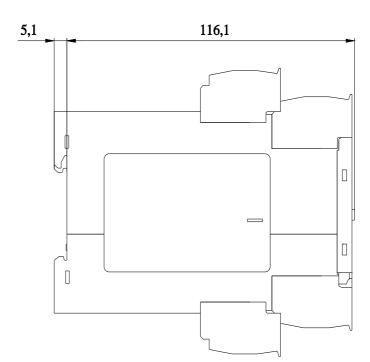
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK1901-1DG22-1AA0

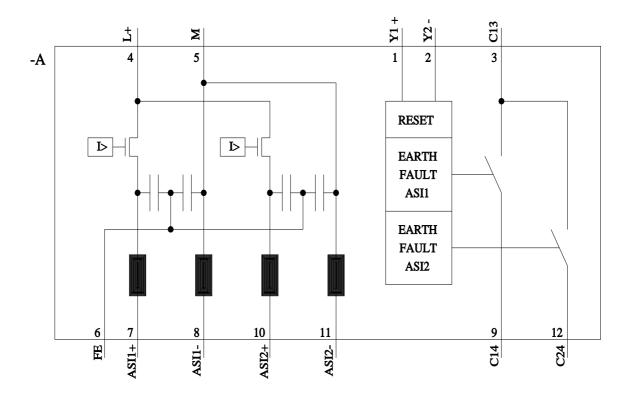
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

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







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