SIEMENS

Data sheet 3RA2712-1BA00

function module for AS-i, reversing start, screw terminal, can be snapped on at the front on communication-capable contactor 3RT20…-…..-0CC0

General technical data		
product brand name		Sirius
product designation		function module
design of the product		AS-i
size of contactor can be combined company-specific		S00, S0, S2, S3
protection class IP on the front according to IEC 60529		IP20
touch protection on the front according to IEC 60529		finger-safe, for vertical contact from the front
degree of pollution		3
insulation voltage with degree of pollution 3 at AC rated value	V	690
installation altitude at height above sea level maximum	m	2 000
ambient temperature		
● during storage	°C	-40 ... +80
● during operation	°C	-25 ... +60
● during transport	°C	-40 ... +80
EMC immunity according to IEC 60947-1		ambience A (industrial sector)
EMC emitted interference according to IEC 60947-1		CISPR11, ambience A (industrial sector)
conducted interference due to burst according to IEC 61000-4-4		2 kV network connection / 1 kV control connection
conducted interference due to conductor-earth surge according to IEC 61000-4-5		1 kV
conducted interference due to conductor-conductor surge according to IEC 61000-4-5		0.5 kV
electrostatic discharge according to IEC 61000-4-2		8 kV
field-based interference according to IEC 61000-4-3		10 V/m
shock resistance		11g / 15 ms
vibration resistance		10 ... 55 Hz / 0.35 mm
reference code		
● according to IEC 81346-2		K
● according to EN 61346-2		K
suitability for use		
● direct starter		No
● star-delta starter		No
● reversing starter		Yes
Communication/ Protocol		
product function		
● bus communication		Yes
● control circuit interface with AS-interface		Yes
Control circuit/ Control		
design of the surge suppressor		Varistor
type of voltage of the control supply voltage		DC

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control supply voltage 1 at DC rated value	V	24
Installation/ mounting/ dimensions		
mounting position		any
fastening method		can be plugged into contactor
width	mm	45
height	mm	37
depth	mm	75
Connections/ Terminals		
product component removable terminal for auxiliary and control circuit		Yes
type of electrical connection for auxiliary and control circuit		screw-type terminals
type of connectable conductor cross-sections		
• for auxiliary contacts		
— solid		0.5 ... 4 mm², 2x (0.5 ... 2.5 mm²)
— finely stranded		
— with core end processing		1x (0.5 ... 2.5 mm²), 2x (0.5 ... 1.5 mm²)
• for AWG cables for auxiliary contacts		2x (20 ... 14)
Certificates/ approvals		
certificate of suitability		CE / UL / CSA

General Product Approval

Confirmation

Test Certificates	Marine / Shipping
Type Test Certific-ates/Test Report	

Marine / Shipping	other
	Confirmation

Further information

Siemens has decided to exit the Russian market (see here).
https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business
Siemens is working on the renewal of the current EAC certificates.
Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).
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=3RA2712-1BA00
Cax online generator
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RA2712-1BA00
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3RA2712-1BA00
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RA2712-1BA00&lang=en

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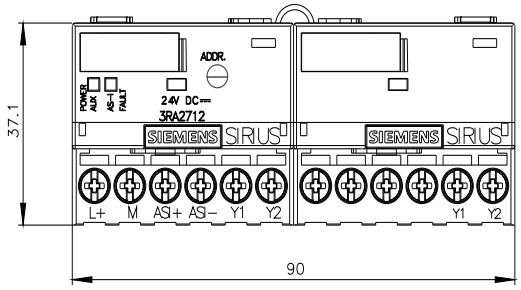

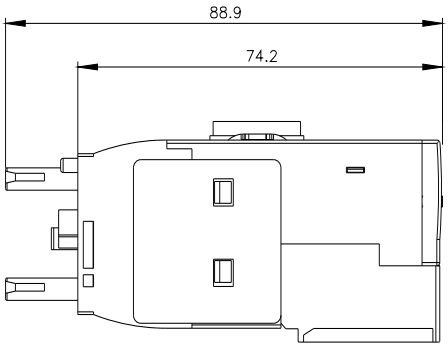

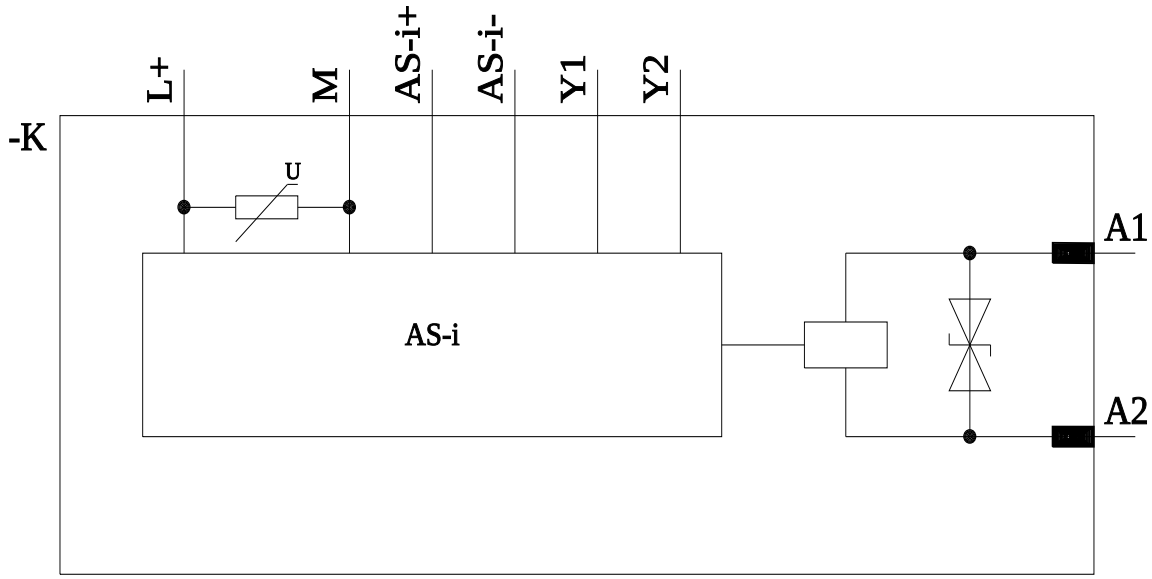

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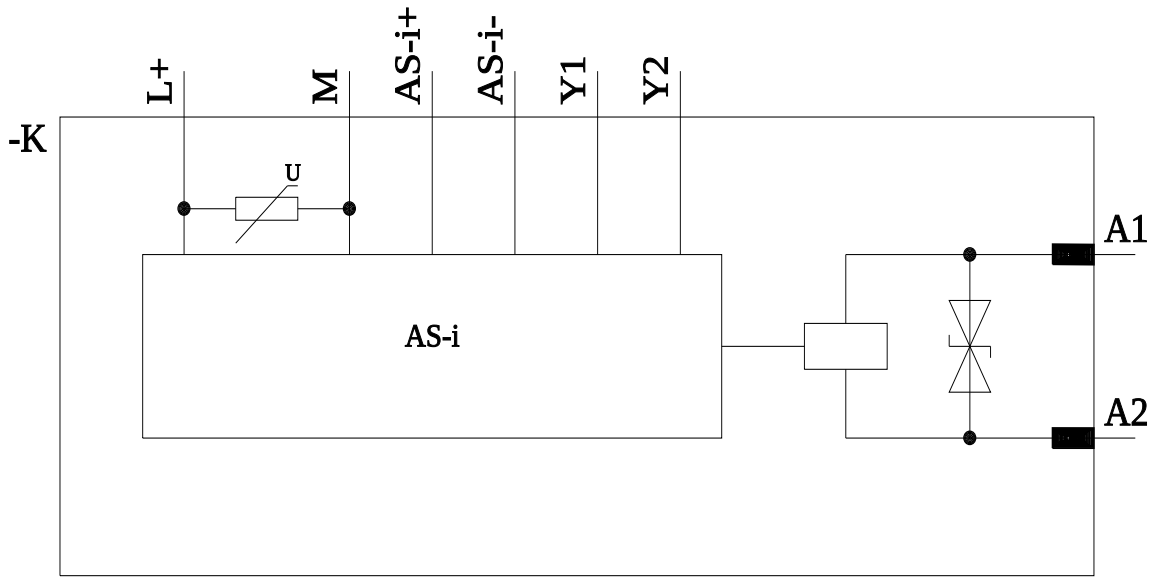

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