SIEMENS

Data sheet 3RA2712-2CA00

function module for AS-i, star-delta (wye-delta) start spring-loaded 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		Yes
● reversing starter		No
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	39
depth	mm	75
Connections/ Terminals		
product component removable terminal for auxiliary and control circuit		Yes
type of electrical connection for auxiliary and control circuit		spring-loaded terminals
type of connectable conductor cross-sections		
● for auxiliary contacts		
— solid		1x (0.25 ... 1.5 mm²), 2x (0.25 ... 1.5 mm²)
— finely stranded		
— with core end processing		1x (0.25 ... 1.5 mm²), 2x (0.25 ... 1.5 mm²)
— without core end processing		1x (0.25 ... 1.5 mm²), 2x (0.25 ... 1.5 mm²)
● for AWG cables for auxiliary contacts		2x (24 ... 16)
Certificates/ approvals		
certificate of suitability		CE / UL / CSA

General Product Approval				EMV	Test Certificates
				KC	Type Test Certificates/Test Report

Maritime application

ABS	BUREAU VERITAS	DNV	LRS	PRS	RINA

Maritime application	other		Environment	Industrial Communication
RMRS	产品合格 QC PASS	Confirmation	Environmental Confirmations	ASi

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=3RA2712-2CA00
Cax online generator
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RA2712-2CA00
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3RA2712-2CA00
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RA2712-2CA00&lang=en

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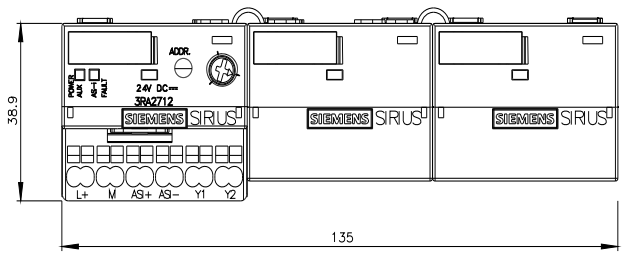

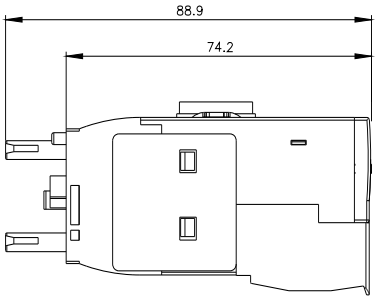

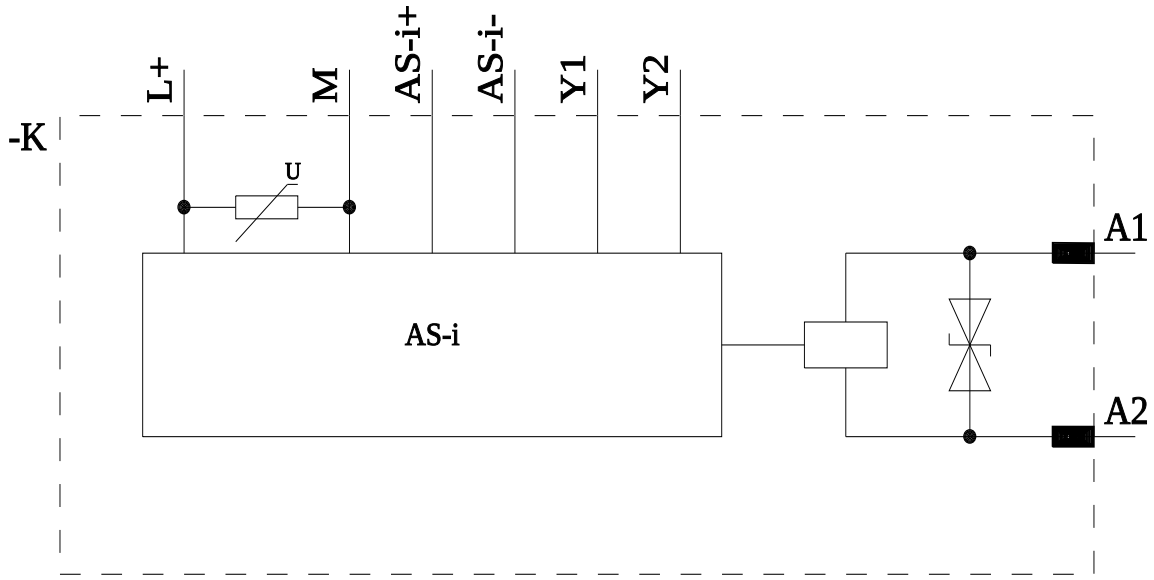

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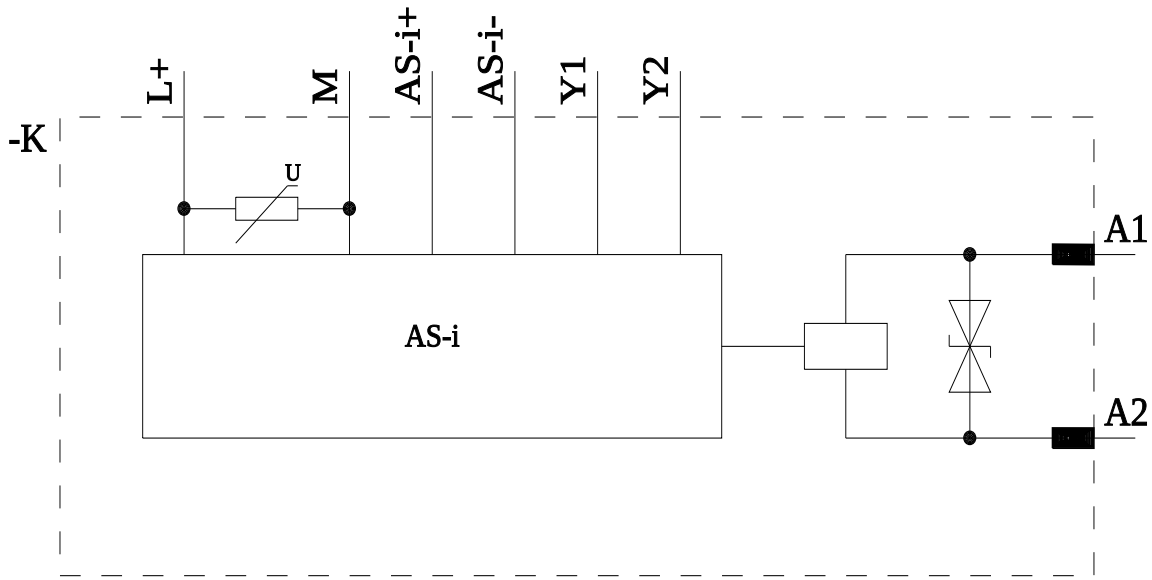

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