SIEMENS

Function module for AS-i, star-delta (wye-delta) start screw terminal, Installation on contactors 3RT2 Communication-capable contactor required

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

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)
● at AWG cables for auxiliary contacts	2x (20 ... 14)

Certificates/ approvals

certificate of suitability	CE / UL / CSA

General Product Approval				Declaration of Conformity	
CSA	Confirmation	UL		UKCA	CE EG-Konf.

Test Certificates	Marine / Shipping				
Type Test Certificates/Test Report	ABS	BUREAU VERITAS	DNV	LRS	PRS

Marine / Shipping		other	
RINA	RMRS	ASi	Confirmation

Further information

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=3RA2712-1CA00
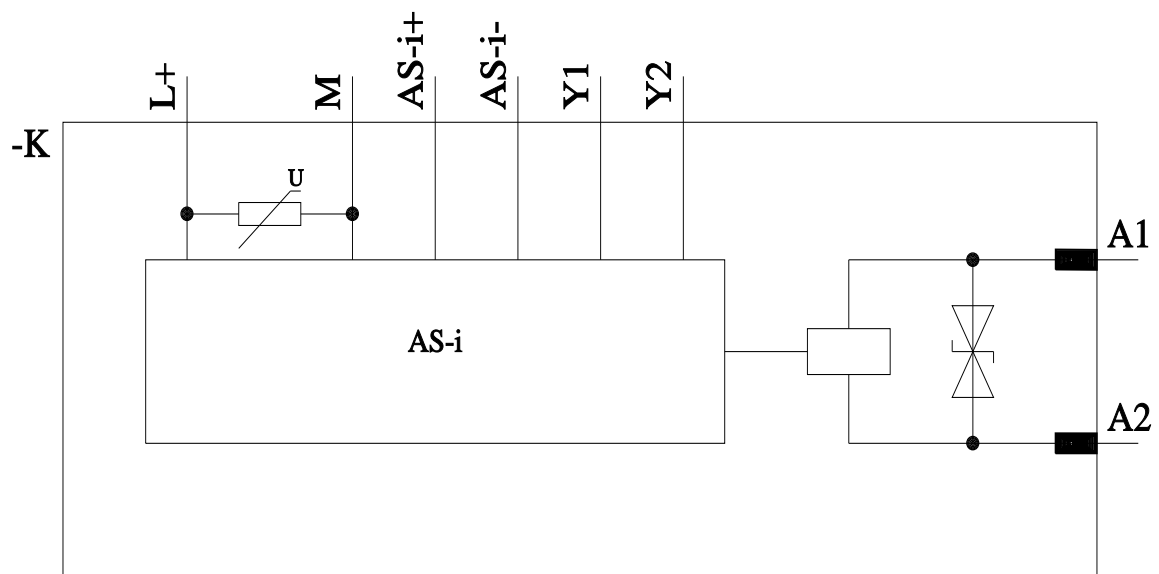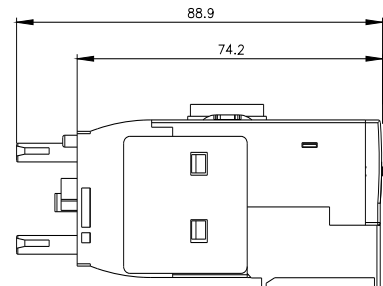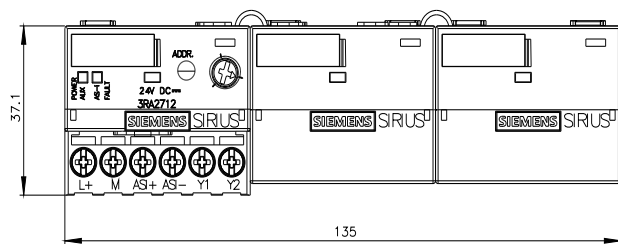
Cax online generator
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RA2712-1CA00
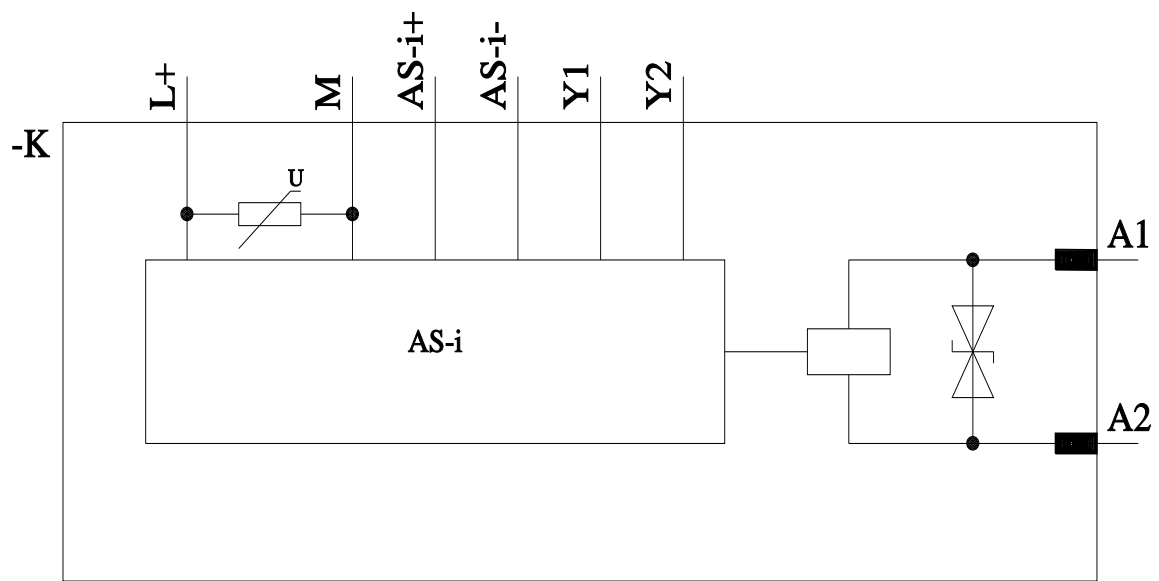
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3RA2712-1CA00

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RA2712-1CA00&lang=en

37.1

135

88.9

74.2

POWER
ADR
AS-i
FAULT

ADDR.

24V DC⎓
3RA2712

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SIEMENS SIRUS

SIEMENS SIRUS

L+ M AS+ AS− Y1 Y2

-K

L+   M   AS-i+   AS-i-   Y1   Y2

U

AS-i

A1

A2

1/4/2023

-K

L+   M   AS-i+   AS-i-   Y1   Y2

U

AS-i

A1

A2

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